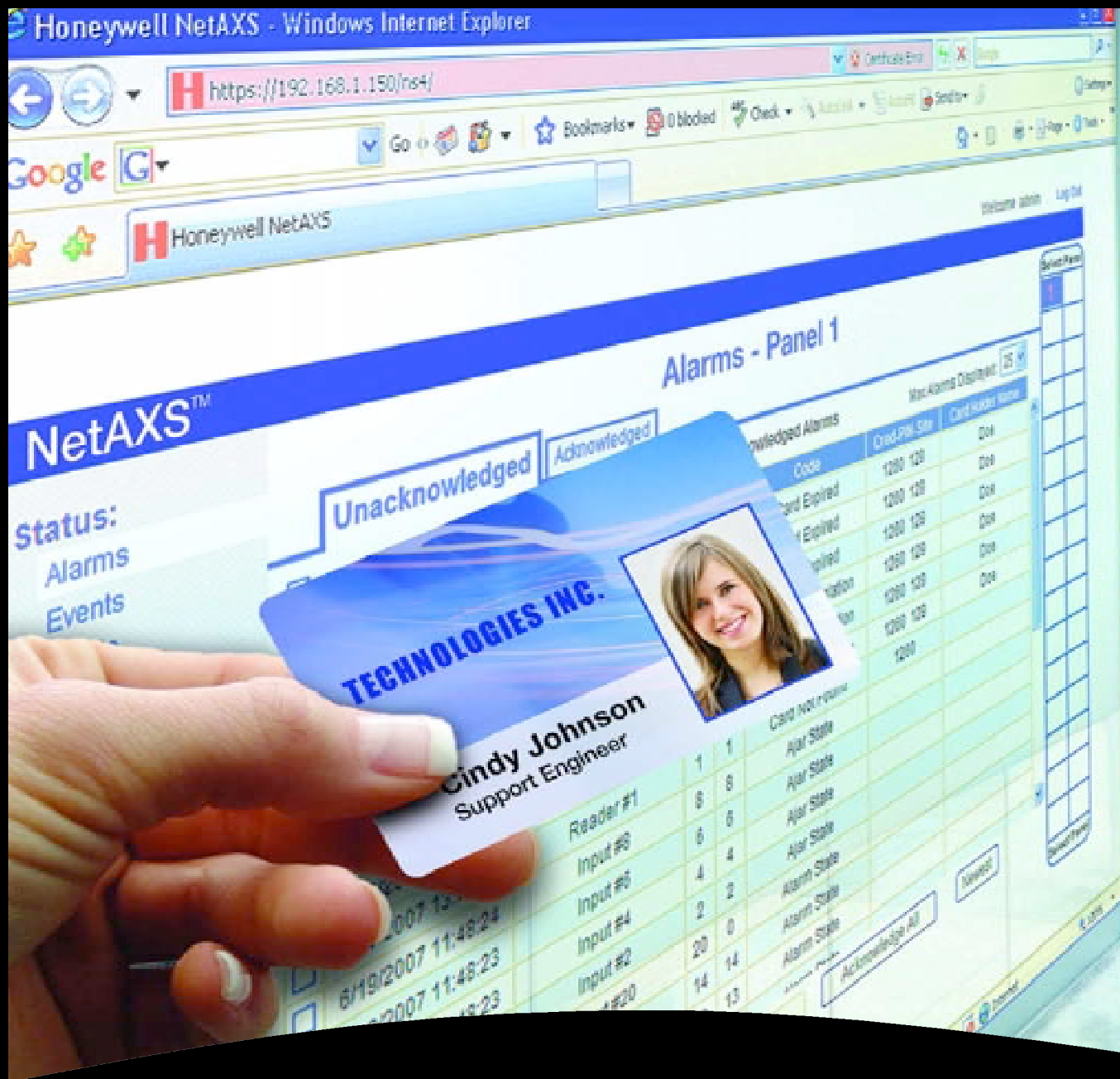# Honeywell Access Systems

YOUR PARTNER OF CHOICE

Product Catalog 2008-2009
North America Edition

Honeywell

Welcome

Dear Valued Customer,

Honeywell Access Systems is proud to present our 2008-2009 Product Catalog. We continue to invest in research and development to bring you the best in innovative and integrated technologies. This catalog includes an extraordinary offering of proven products and brand new solutions that you can only get from Honeywell, such as:

- The newest member of the NetAXS™ family, the NetAXS Retrofit Board is a one-of-a-kind access control solution that provides an easy way for users to migrate their existing N-1000 access control panel for extended functionality without having to rewire or reprogram.

- Designed with the central station in mind, Honeywell's WIN-PAK® PRO Central Station and Manitou software from Bold Technologies provides a unique combination of value-added services and remote management that can't be duplicated in the industry. Aimed at generating additional recurring monthly revenue for our dealers and providing remote managed services for end users, WIN-PAK PRO Central Station and Manitou truly provides an unmatched remote managed access control option.

- WIN-PAK SE combines access control, alarm intrusion and digital video in a single integrated user interface. By bringing together WIN-PAK SE with VISTA intrusion control panels, Rapid Eye™ Multi-Media and Fusion Series DVRs, Honeywell integrates products you already know and trust.

- Our popular LobbyWorks™ Visitor Management System offers a new floorstanding kiosk that lets you tailor the visitor registration process to meet your needs. The self-registration station is perfect for high traffic or unsupervised areas of a lobby and uses advanced technology to coach visitors through a registration process that's quick and simple.

In addition to our full listing of access control products, you'll find sections dedicated to photo-id badging systems, multi-technology readers, credentials and other peripherals to fit a wide range of requirements for all your installations. We've also included resources such as compatibility charts and configuration drawings that make installing and configuring a Honeywell access system easy.

At Honeywell, we know that success is the result of flawlessly executing commitments and delivering on promises to our customers. Not only are we dedicated to listening to you, but we are devoted to investing in innovations that help grow your business. Then we take it a step further and provide practical tools such as this catalog that contribute to your success.

Sincerely,

John Lorenty
General Manager
Honeywell Systems Group

Partner of Choice

Commitment

Honeywell understands that each industry and each business have unique security requirements that a standard off-the-shelf solution cannot meet. We want to be your trusted partner, and that's why we offer a wide range of products and services that can be customized to any location, facility or business. Our commitment to our customers goes beyond our products—it's reflected in every step of the installation process. We support all of our products and services with superior technical support to help our customers keep their security systems running smoothly. From pre-sales, through application engineering, to customer support, we want to earn the priviledge of being your Partner of Choice.

Innovation

We invest over $50 million a year in research and development to bring you innovative new security products. We leverage the best technologies globally at our engineering "centers of excellence" in the U.S., China, India, and Canada. These teams bring you new integrated access control solutions such as WIN-PAK® SE with VISTA and Rapid Eye™, NetAXS™ hybrid Web-based access control, OmniAssure™ readers, WIN-PAK PRO Central Station, and LobbyWorks™ Visitor Management System. These, as well as our other new products, are the result of our "Voice of the Customer" process—we develop cutting edge solutions with you in mind.

Support and the Best People

We know that when your customers call you, you need a quick and expert response. That's why we staff our customer and tech support centers with knowledgeable people with years of security experience. We also provide hands-on training at ADI branches, long-distance training through Web seminars and give you access to robust online tech libraries. We can help you meet the unique needs of customers in specific industries by providing relevant market information, equipping you with marketing tools such as brochures and other collateral, and helping you provide a tailor-made solution for your customer. At the heart of our business are our people. From our salespeople to the tech support group, all of our employees make up an unbeatable team with decades of experience in security that understands the industry and your business. Honeywell hires the best talent because you deserve the best support.

Honeywell

When you partner with Honeywell, you benefit from the power of a global $37 billion, Fortune 50 company with more than 120,000 employees. With a leading presence in a variety of industries such as aerospace, automation controls, specialty chemicals and transportation, we have the solutions, the technology and the resources to help you succeed. Honeywell is unwavering in our commitment to deliver the innovations that drive your growth. As a Six Sigma trained and focused organization, we strive for operational excellence in everything we do. We believe that delivering the highest quality solutions and doing the best job for our customers every day is what makes the difference. We want to partner with you for your success.

Support Services

Customer and Technical Support

Our team of experienced, dedicated customer and technical support specialists are always at your service. Whether your question deals with technology, product selection and compatibility or troubleshooting, they will work diligently to find you the solution.

Honeywell Access Systems also offers a wide variety of services that help dealers grow their profitability. From on-site support, training and database services to our Web-based Customer Information Management (CIM) system, Honeywell delivers a broad spectrum of programs that offer unrivaled dealer support and investment protection.

Customer Information Management (CIM) System

Honeywell Access Systems' Customer Information Management (CIM) system is an innovative eBusiness solution that empowers users to optimize the profitability and productivity of their organizations through anytime online access to critical information and interactive management tools. The CIM can be accessed via the Internet at **www.hascim.com**. To obtain your logon credential, please contact your Regional Sales Manager or Inside Sales Representative. They are ready to provide you with the means to access a wealth of information!

Resource Directory

General Information 800-467-5875

Inside Sales 800-675-3364

Customer Service. 800-223-9436

Fax Number 502-666-7027

Technical Support 800-323-4576

ADI Ordering Information

Honeywell values ADI as a partner and understands that many of our customers purchase through ADI; therefore, we have designed this catalog to make it easy for dealers to find our products and place quick and accurate sales orders.

This product catalog features an easy-to-use cross reference guide for ordering Honeywell products through ADI.

Use this information to quickly find a cross-reference to an ADI part number or have ADI scan the barcode to order the correct product.

ADI Ordering Information

ADI Part Number

ADI UPC Barcode

Table of Contents

Software & Systems

More and more, customer requirements cannot be met with one solution—rather, they need a holistic approach that integrates different elements to suit their needs. In the case of access control, the trend toward digital networking solutions has made it easier for management to bring together the worlds of access control and video surveillance into a single integrated system.

THIS SECTION INCLUDES:

WIN-PAK® SE

WIN-PAK® SE SYSTEM KITS

WIN-PAK® SE INTEGRATION KITS

Software & Systems

Honeywell's WIN-PAK SE works with our NetAXS, NS2+, N-1000 and PW2000 access controllers, Rapid Eye™ and Fusion DVRs, and VISTA 128FBP and VISTA 250FBP intrusion panels to let you quickly and easily add video surveillance and intrusion every time you install an access control system. The result is a solution powerful enough to handle all of your customer's integrated security requirements from a single user interface. The unique combination of intrusion, video and access control saves time and money by reducing training and labor.

Benefits:

• Save time and money by managing three separate systems with one easy-to-use software interface.

• Improve the level of security by eliminating user code sharing. Increase security by using a unique card to disarm a system and grant access at the door.

• WIN-PAK SE software interface allows users to retrieve and play back video associated with intrusion and access control.

• Automated reporting allows users to send up-to-date reports on intrusion and access events hourly, daily, weekly or monthly.

• Reduce employee down-time by requiring training on only one system.

• Align WIN-PAK SE with VISTA integration with existing system needs for an added level of security.

• Expand to meet current and future needs. Start with access and add video or intrusion later as requirements change.

WIN-PAK® SE

WIN-PAK® SE access control software is used to program, operate and report access control events. Standard features include badging, configuration wizards, digital video integration, prioritized alarm events, floorplans, pop-up video and alarms. Supported access control panels are the NS2+, N-1000, NetAXS and PW-2000. Supported digital video systems are Rapid Eye™, Rapid Eye LT and Fusion™. Multiple workstations are supported as concurrent users and are software activated (no dongles). Supported operating systems are: Windows VISTA Business*, Windows® 2003 Server, Windows XP Professional SP2, Windows 2000 Server SP4 and Windows 2000 Professional SP4.

Features:
- Integrated DVR Support
- Photo ID Badging
- Scheduled Reports
- Installation Wizard
- Card Frequency Report
- E-mail Reports / Events
- Domain or Workgroup Network Support
- Up to 5 Concurrent Users

WPSE
WIN-PAK SE Access Control Software
Standalone - Single user version of WIN-PAK SE.

7 81410 84332 5
NC-WPSE

WPSEU5
WIN-PAK SE Software, 5-user
Provides support of up to 5 concurrent WIN-PAK SE workstations.

7 81410 84397 4
NC-WPSEU5

WPSEV
WIN-PAK SE single user with VISTA integration
Standalone - Single user version of WIN-PAK SE with VISTA integration.

7 81410 84193 2
NC-WPSEV

WPSEU5V
WIN-PAK SE VISTA 5-user with VISTA integration
Provides support of up to 5 concurrent WIN-PAK SE workstations with VISTA integration.

7 81410 84305 9
NC-WPSEU5V

WIN-PAK SOFTWARE UPGRADES

UKWPSEV
Upgrade from WP2K5, WINPAK2 Release 4 and Release 3 to WPSEV
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 single user to WIN-PAK SE single user with VISTA integration.

7 81410 84306 6
NC-UKWPSEV

U4WPSEU5
Upgrade from WP2K5U5, WINPAK2 Release 4 and Release 3 five user to WPSEU5
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 5-users to WIN-PAK SE 5-users.

7 81410 84625 8
NC-U4WPSEU5

U4WPSEU5V
Upgrade from WP2K5U5, WINPAK2 Release 4 and Release 3 five user to WPSEU5V
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 5-users to WIN-PAK SE 5-users with VISTA integration.

7 81410 84940 2
NC-U4WPSEU5V

*Windows Vista Business requires SQL 2005 Server or Express Edition.

Software & Systems | WIN-PAK® SE SOFTWARE

Barcode	Description
7 81410 84579 4 NC-UKWPSEU5	**UKWPSEU5** **Upgrade from WP2K5, WINPAK2 Release 4 and Release 3 to WPSEU5** Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 single user to WIN-PAK SE 5-users.
7 81410 84307 3 NC-UKWPSEU5V	**UKWPSEU5V** **Upgrade from WP2K5, WINPAK2 Release 4 and Release 3 to WPSEU5V** Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 single user to WIN-PAK SE 5-users with VISTA integration.
7 81410 84800 9 NC-UWPSE	**UWPSE** **Upgrade from WP2K5, WINPAK2 Release 4 and Release 3 to WPSE** Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 single user to WIN-PAK SE single user.
7 81410 84651 7 NC-USESEV	**USESEV** **Upgrade from WPSE to WPSEV** Upgrade from WIN-PAK SE single user to WIN-PAK SE single user with VISTA integration.
7 81410 84941 9 NC-USESEU5	**USESEU5** **Upgrade from WPSE to WPSEU5** Upgrade from WIN-PAK SE single user to WIN-PAK SE 5-users.
7 81410 84942 6 NC-USESEU5V	**USESEU5V** **Upgrade from WPSE to WPSEU5V** Upgrade from WIN-PAK SE single user to WIN-PAK SE 5-users with VISTA integration.
7 81410 84943 3 NC-USE5SEU5V	**USE5SEU5V** **Upgrade from WPSEU5 to WPSEU5V** Upgrade WIN-PAK SE 5-users to WIN-PAK SE 5-users with VISTA integration.
7 81410 85574 8 NC-USEVSEU5V	**USEVSEU5V** **Upgrade from WPSEV to WPSEU5V** Upgrade from WIN-PAK SE single user with VISTA to WIN-PAK SE 5-users with VISTA.
7 81410 88551 6 NC-WPSEU5K	**WPSEU5K** **USB KEY for WPSEU5** Hardware key used for computers with RAID configurations. The hardware key is configured to support a 5-user version of WIN-PAK SE.
7 81410 84944 0 NC-UN1PSE	**UN1PSE** **Upgrade from NSTAR Single User to WPSE** Upgrade from NSTAR single user to WIN-PAK SE.

NOTE: Consult factory for other hardware key options for configurations using RAID.

NOTE: Consult factory if additional NStar upgrade options are needed.

Software & Systems | WIN-PAK® SE SOFTWARE AND SYSTEM KITS

UWPPESE
Upgrade from WIN-PAK 2005 to SE/PE - Same number of users - no LobbyWorks support
Upgrade from WIN-PAK 2005 single user/5-user or WIN-PAK PRO 2005 to the same number of users in a WIN-PAK SE or WIN-PAK PE version (no LobbyWorks support).

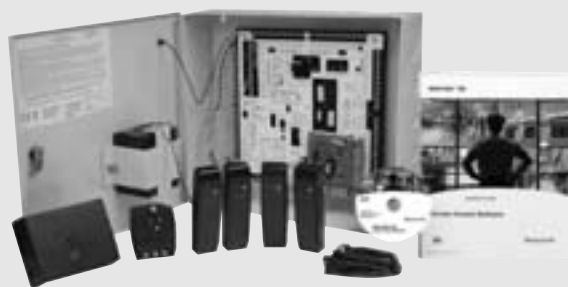7 81410 84399 8

NC-UWPPESE

UN1PSEU5V
Upgrade from NSTAR Single User to WPSEU5V
Upgrade from NSTAR single user to WIN-PAK SE 5-user with VISTA integration.

7 81410 85439 0

NC-UN1PSEU5V

WIN-PAK SE SYSTEM KITS

ROCKET4
Rocket Box 4 Door Access Control Starter Kit
Includes WIN-PAK SE (WPSE), RS485 converter (N-485-PCI-2), 4 door control panel (N-1000-IV-X), four OmniProx proximity readers (OP30HONE), transformer (X-4) and four suppressor kits (S-4).

7 81410 43849 1

NC-ROCKET4

BOOSTER2
2 Door Add-On Kit for Rocket Box
Includes 2 door control panel (N-1000-III), two OmniProx proximity readers (OP30HONE), transformer (X-4) and two suppressor kits (S-4).

7 81410 43851 4

NC-BOOSTER2

BOOSTER2P
2 Door Add-On Kit for Rocket Box
Includes 2 door control panel (NS2P), two OmniProx proximity readers (OP30HONE), transformer (X-4) and two suppressor kits (S-4).
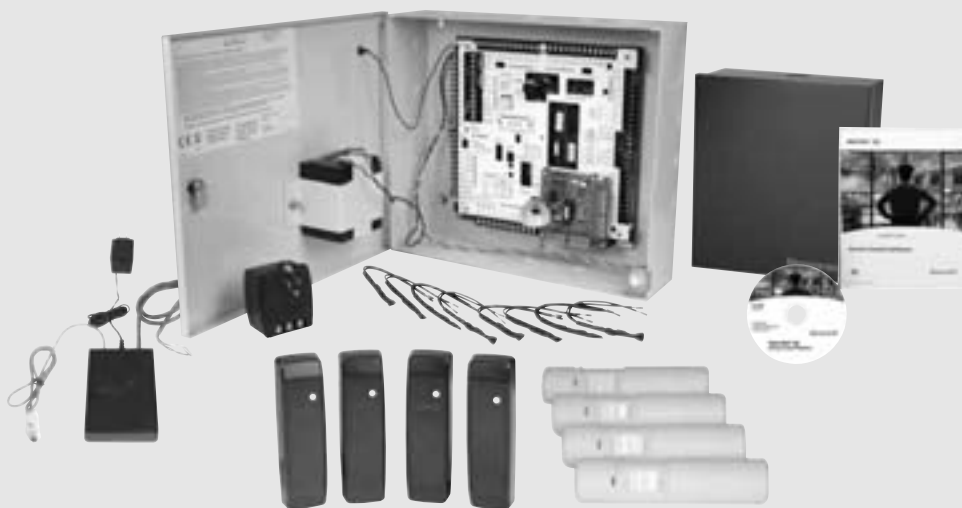
7 81410 46730 9

NC-BOOSTER2P

BOOSTER4
4 Door Add-On Kit for Rocket Box
Includes 4 door control panel (N-1000-IV-X), four OmniProx proximity readers (OP30HONE), transformer (X-4) and four suppressor kits (S-4).

NC-BOOSTER4

TSAP
4 Door Total Starter Access Package
The most complete system on the market, all you need to add is wire, locks and cards. This starter kit includes WIN-PAK SE access control software (WPSE), N-1000 control panel with transformer and four surge suppressors (N1000K4), RS485 interface (N-485-PCI-2), four OmniProx HID compatible mullion mount readers (OP30HONE), 12 VDC power supply (HPS123), four request-to-exit devices (IS310WH) and four door contacts (7939WH).

NC-TSAP

TEAP2
2 Door Total Expansion Package
2 door expansion kit for the Total Starter Package. This expansion kit includes an N-1000 control panel with transformer and two surge suppressors (N1000K3), two OmniProx HID compatible mullion mount readers (OP30HONE), 12 VDC power supply (HPS123), two request-to-exit devices (IS310WH) and two door contacts (7939WH).

NC-TEAP2

TEAP4
4 Door Total Expansion Package
4 door expansion kit for the Total Starter Package. This expansion kit includes N-1000 control panel with transformer and four surge suppressors (N1000K4), four OmniProx HID compatible mullion mount readers (OP30HONE), 12 VDC power supply (HPS123), four request-to-exit devices (IS310WH) and four door contacts (7939WH).

NC-TEAP4

WIN-PAK® SE WITH VISTA INTEGRATION KITS

WPAB1

Access and 128 Zone Intrusion Integration Kit for RS232 Based Communications

Access and Intrusion Integration Kit for RS232 based communication includes WIN-PAK SE with VISTA integration option (WPSEV), 2 door access control panel (NS2P - includes plug-in transformer and S-4 suppressors), intrusion panel (VISTA 128FBP - includes wired-in transformer), two access readers (OP30HONE), intrusion keypad (6160), serial converter for the intrusion panel (4100SM), serial to RS485 converter for the access control panel (N-485-PCI-2) and batteries (BAT-3 and 712BNP).

7 81410 84241 0

NC-WPAB1

WPAB2

Access and 128 Zone Intrusion Integration Kit for Ethernet Based Communications

Access and Intrusion Integration Kit for RS232 based communication includes WIN-PAK SE with VISTA integration option (WPSEV), 2 door access control panel (NS2P - includes plug-in transformer and S-4 suppressors), intrusion panel (VISTA 128FBP - includes wired-in transformer), two access readers (OP30HONE), intrusion keypad (6160), serial converter for the intrusion panel (4100SM), serial to Ethernet converter (LANSRLU1), Ethernet to RS485 converter kit for the access control panel (N485PCI2L) and batteries (BAT-3 and 712BNP).

7 81410 84352 3

NC-WPAB2

ALSO AVAILABLE:

WPAB3

Access and 250 Zone Intrusion Integration Kit for RS232 Based Communications

Access and Intrusion Integration Kit for RS232 based communication includes WIN-PAK SE with VISTA integration option (WPSEV), 2 door access control panel (NS2P - includes plug-in transformer and S-4 suppressors), intrusion panel (VISTA 250FBP - includes wired-in transformer), two access readers (OP30HONE), intrusion keypad (6160), serial converter for the intrusion panel (4100SM), serial to RS485 converter for the access control panel (N-485-PCI-2) and batteries (BAT-3 and 712BNP).

7 81410 84449 0

NC-WPAB3

WPAB4

Access and 250 Zone Intrusion Integration Kit for Ethernet Based Communications

Access and Intrusion Integration Kit for RS232 based communication includes WIN-PAK SE with VISTA integration option (WPSEV), 2 door access control panel (NS2P - includes plug-in transformer and S-4 suppressors), intrusion panel (VISTA 250FBP - includes wired-in transformer), two access readers (OP30HONE), intrusion keypad (6160), serial converter for the intrusion panel (4100SM), serial to Ethernet converter (LANSRLU1), Ethernet to RS485 converter kit for the access control panel (N485PCI2L) and batteries (BAT-3 and 712BNP).

7 81410 84450 6

NC-WPAB4

Software & Systems | WIN-PAK® SE WITH VISTA INTEGRATION KITS

7 81410 84277 9

NC-WPAV1

WPAV1
Access and Video Integration Kit for Ethernet Based Communications
Access and Intrusion Integration Kit for RS232 based communication includes WIN-PAK SE (WPSEV), 2 door access control panel (NS2P - includes plug-in transformer and S-4 suppressors), digital video recorder (HRM60N1000), two access readers (OP30HONE), Ethernet to RS485 converter kit for the access control panel (LAN485KIT) and battery (BAT-3).

7 81410 84357 8

NC-WPAV2

ALSO AVAILABLE:

WPAV2
Access and Video w/CD Integration Kit for Ethernet Based Communications
Access and Intrusion Integration Kit for RS232 based communication includes WIN-PAK SE (WPSEV), 2 door access control panel (NS2P – includes plug-in transformer and S-4 suppressors), digital video recorder (HRM60CD1000), two access readers (OP30HONE), Ethernet to RS485 converter kit for the access control panel (LAN485KIT) and battery (BAT-3).

7 81410 84276 2

NC-WPABV1

WPABV1
Access, Video, 128 Zone Intrusion Integration Kit for Ethernet Based Communications
Access and Intrusion Integration Kit for RS232 based communication includes WIN-PAK SE with VISTA integration option (WPSEV), 2 door access control panel (NS2P - includes plug-in transformer and S-4 suppressors), digital video recorder (HRM60N1000), intrusion panel (VISTA 128FBP - includes wired-in transformer), two access readers (OP30HONE), intrusion keypad (6160), serial converter for the intrusion panel (4100SM), serial to Ethernet converter (LANSRLU1), Ethernet to RS485 converter kit for the access control panel (N485PCI2L) and batteries (BAT-3 and 712BNP).

7 81410 84454 4

NC-WPABV2

ALSO AVAILABLE:

WPABV2
Access, Video w/CD, 128 Zone Intrusion Integration Kit for Ethernet Based Communications
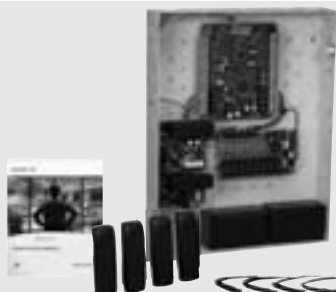Access and Intrusion Integration Kit for RS232 based communication includes WIN-PAK SE with VISTA integration option (WPSEV), 2 door access control panel (NS2P - includes plug-in transformer and S-4 suppressors), digital video recorder (HRM60CD1000), intrusion panel (VISTA 128FBP - includes wired-in transformer), two access readers (OP30HONE), intrusion keypad (6160), serial converter for the intrusion panel (4100SM), serial to Ethernet converter (LANSRLU1), Ethernet to RS485 converter kit for the access control panel (N485PCI2L) and batteries (BAT-3 and 712BNP).

7 81410 90110 0

NC-WPNX4S30

WPNX4S30
NetAXS with Small Enclosure - Access Control Kit with OP30HONE Readers and WIN-PAK SE Single User Access Control Software
NetAXS Controller Kit with 4 OP30HONE Proximity Readers, small enclosure, NX4 control panel, transformer, 12 VDC, 7 A backup battery and WPSE Software.

7 81410 90109 4

NC-WPNX4L30

WPNX4L30
NetAXS with Large Enclosure - Access Control Kit with OP30HONE Readers and WIN-PAK SE Single User Access Control Software
NetAXS Controller Kit with 4 OP30HONE Proximity Readers, large enclosure, NX4 control panel, 8 output fused relay board, 24 VDC, 6 A power supply, (2) 12 VDC, 7 A backup batteries and WPSE Software.

WIN-PAK® SE COMPUTER & BADGING SYSTEMS

All computer systems (PCACxx) are preloaded with WIN-PAK® SE 5-User software and include monitor, keyboard and mouse. Optional converters, badging kits and printers can be ordered separately.

PCAC202

WIN-PAK SE Computer with 5-User Software
WIN-PAK computer and software only.

7 81410 30920 3

NC-PCAC202

PCAC235

WIN-PAK SE Badging System with Simplex Printer
The system includes WIN-PAK SE software (WPSEU5), camera (PBCAM14), lighting kit (PBLK3), tripod (PB-TRI-POD), video cable (CBL-VB-CAM-2), standard parallel printer cable (CBL-3), event printer (PB-PRINTER), 25 no-technology PVC cards (PVC-NT-1), one communication adapter (N-485-PCI-2), Rio 2e simplex PVC card printer (M9006-749), color ribbon (M9005-751) and cleaning kit (N9005-761MED).

7 81410 45995 3

NC-PCAC235

Consult www.honeywellaccess.com for current computer hardware specifications.

WIN-PAK® SE WORKSTATIONS & FILE SERVERS

All workstations (PCWSxx), when ordered with a computer system (PCACxx), are preloaded with WIN-PAK® SE user interface. No software is loaded if sold separately. This ensures that the same software version on the WIN-PAK SE server can be loaded on the workstation. Optional printers or badging kits can be ordered separately.

7 81410 30914 2

NC-PCWS201

PCWS201
WIN-PAK SE Workstation
Workstation computer. Does not include software.

7 81410 46120 8

NC-PCWS235

PCWS235

WIN-PAK SE Badging Workstation with Simplex Printer
The system includes Rio 2e simplex badging card printer (M9006-749), camera and power supply (PBCAM14), lighting kit (PBLK3), tripod (PB-TRI-POD), video cable (CBL-VB-CAM-2), standard parallel printer cable (CBL-3), event printer (PB-PRINTER), 25 no-technology PVC cards (PVC-NT-1), one communication adapter (N-485-PCI-2), color ribbon (M9005-751) and cleaning kit (N9005-761MED).

7 81410 30917 3

NC-PCFS202

PCFS202

WIN-PAK SE File Server Computer and 5-User Software
File server computer configured with WIN-PAK SE (WPSEU5) and 5-user Windows 2003 Server. Does not support badging kits.

Consult www.honeywellaccess.com for current computer hardware specifications.

Software & Systems | WIN-PAK® SE SYSTEMS

SYSTEM INCLUSIONS

Included Components	5-User WIN-PAK SE Computer (PCAC202)	5-User WIN-PAK SE Badging System (PCAC235)	5-User OS WIN-PAK SE File Server Computer (PCFS202) Badging Kits Not Supported	WIN-PAK SE Workstation (PCWS201)	WIN-PAK SE Badging Workstation (PCWS235)
Dell Standard CPU	✓	✓			
Dell File Server CPU, 5-User OS			✓		
Dell Workstation CPU				✓	✓
WIN-PAK SE, 5-User (WPSEU5)	✓	✓	✓		
Dell 17" Flat Screen LCD Monitor	✓	✓	✓	✓	✓
Rio 2 Simplex Printer (M9006-749)		✓			✓
Rio 2 Color Ribbon (M9005-751)		✓			✓
Rio 2 Cleaning Kit (N9005-761MED)		✓			✓
PC Communication Interface (N-485-PCI-2)		✓			
USB Badging Camera (PBCAM14CO)		✓			✓
USB Camera Power Supply (PBCAM14PS)		✓			✓
USB Camera Remote (PBCAM14RC)		✓			✓
Camera Tripod (PB-TRI-POD)		✓			✓
Badging Lighting Kit (PBLK3)		✓			✓
Dot-Matrix Event Printer (PB-PRINTER)		✓			
Printer Cable (CBL-3)		✓			
Blank PVC Cards, 25 Quantity (PVC-NT-1)		✓			✓
Quick Reference Guide (TD0074-02)	✓	✓	✓	✓	✓

Notes

Professional Systems

With powerful system software and reliable, intelligent controllers, Honeywell's state-of-the-art technology is designed to meet the complex and ever-evolving security requirements of businesses today. We offer scalable access control solutions for enterprise level management systems. Solutions such as integrated digital video monitoring, Web-based management tools and central station reporting that increases recurring monthly revenues while decreasing installation and service costs. Honeywell offers you unique products and services that enable you to differentiate yourself from the competition – winning more business and developing stronger customer relationships.

THIS SECTION INCLUDES:

WIN-PAK® PE

WIN-PAK® PRO Central Station

PRO2200 Controllers

Professional Systems products are available only to certified dealers who have met Honeywell dealer requirements and completed the required technical training. Contact Honeywell Sales Support or your Regional Sales Manager for more information about becoming a certified dealer.

Professional Systems

WIN-PAK® PE offers enterprise level access control capabilities with full scale system management of single or multiple locations. With true digital video and intrusion integration options, it is an easy choice for enterprise applications. PRO2200 is a highly evolved modular controller with advanced features such as triggers and procedures.

WIN-PAK PRO Central Station access control provides a cost effective and easy-to-manage security solution for businesses, while providing security dealers with multiple recurring revenue streams.

Benefits:

- Enhanced digital video integration creates additional add-on opportunities.

- Manage multiple locations and accounts from the software; ideal for property managers, business or university campuses and multi-location corporations.

- Customized reporting provides greater management capability to the system. In addition, scheduling reports to print or e-mail meets customer demand.

- Advanced card management provides greater control and security for customers.

WIN-PAK PRO Central Station:

- Increase revenue by providing value added services such as digital video monitoring, Web browser user interface, e-mail event and report notification, scheduled reporting, video verification and photo-ID badging.

- Reduce installation and service costs. Without on-site PC and software installation, dealers can manage and repair systems remotely.

WIN-PAK® PE

WIN-PAK® PE access control software is used to program and operate access control systems and report events. Supported access control panels are the NetAXS, NS2+, N-1000, PW-2000 and PRO2200. Supported digital video systems are Rapid Eye™ and Fusion DVRs, and VISTA 128FBP and VISTA 250FBP intrusion panels. Supported operating systems are Windows® Vista Business* Windows 2003 Server, Windows XP Professional SP2, Windows 2000 Server SP4 and Windows 2000 Professional SP4.*

Features:
- Unrestricted Number of Users
- Multiple Accounts are Supported
- Installation Wizard
- Integrated DVR Support
- Photo ID Badging
- Scheduled Reports
- E-mail Reports / Events
- Pop-up Video and Alarms

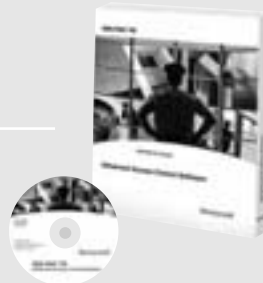### WPPE

WIN-PAK PE Access Control Software
Unrestricted users and communication servers.

7 81410 84447 6
NC-WPPE

WPPEV

WIN-PAK PE with VISTA integration
Unrestricted users and communication servers with VISTA integration.

7 81410 84448 3
NC-WPPEV

WIN-PAK PE SOFTWARE UPGRADES

U5WPPE

Upgrade from WP2KU5, WINPAK2U5 Release 4 and Release 3 to WPPE
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 5-users to WIN-PAK PE.

7 81410 85531 1
NC-U5WPPE

UKWPPE

Upgrade from WP2K5, WINPAK2 Release 4 and Release 3 to WPPE
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 single user to WIN-PAK PE.

7 81410 85260 0
NC-UKWPPE

UKWPPEV

Upgrade from WP2K5, WINPAK2 Release 4 and Release 3 to WPPEV
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 single user to WIN-PAK PE with VISTA integration.

7 81410 85493 2
NC-UKWPPEV

* **Note:** Windows Vista Business requires SQL Server 2005 or Express Edition.

Professional Systems | WIN-PAK® PE SOFTWARE

‖‖‖‖‖ barcode ‖‖‖‖‖
7 81410 85092 7

NC-UWPPPE

UWPPPE
Upgrade from WPP all user versions Release 4 and Release 3 to WPPE
Upgrade from WIN-PAK PRO 2005, WIN-PAK PRO Release 4 or Release 3 to WIN-PAK PE.

‖‖‖‖‖ barcode ‖‖‖‖‖
7 81410 85531 1

NC-U5WPPE

U5WPPE
Upgrade from WP2KU5, WINPAK2U5 Release 4 and Release 3 to WPPE
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 5-users to WIN-PAK PE.

‖‖‖‖‖ barcode ‖‖‖‖‖
7 81410 85260 0

NC-UKWPPE

UKWPPE
Upgrade from WP2K5, WINPAK2 Release 4 and Release 3 to WPPE
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 single user to WIN-PAK PE.

‖‖‖‖‖ barcode ‖‖‖‖‖
7 81410 85493 2

NC-UKWPPEV

UKWPPEV
Upgrade from WP2K5, WINPAK2 Release 4 and Release 3 to WPPEV
Upgrade from WIN-PAK 2005, WIN-PAK 2.0 Release 4 or WIN-PAK 2.0 Release 3 single user to WIN-PAK PE with VISTA integration.

‖‖‖‖‖ barcode ‖‖‖‖‖
7 81410 86514 3

NC-UWPPPEV

UWPPPEV
Upgrade from WPP all user versions Release 4 and Release 3 to WPPEV
Upgrade from WIN-PAK PRO 2005, WIN-PAK PRO Release 4 or Release 3 to WIN-PAK PE with VISTA integration.

‖‖‖‖‖ barcode ‖‖‖‖‖
7 81410 85182 5

NC-UPEPEV

UPEPEV
Upgrade from WPPE to WPPEV
Upgrade from WIN-PAK PE to WIN-PAK PE with VISTA integration.

Professional Systems | WIN-PAK® PE

WPPEK
USB KEY for WPPE
Hardware key used for computers with RAID configurations. The hardware key is configured to support WIN-PAK PE.

7 81410 89520 1

NC-WPPEK

WPPEVK
USB KEY for WPPEV
Hardware key used for computers with RAID configurations. The hardware key is configured to support WIN-PAK PE with VISTA integration.

7 81410 88056 6

NC-WPPEVK

UWPPESE
Upgrade from WIN-PAK 2005 to SE/PE - Same number of users – no LobbyWorks support
Upgrade from WIN-PAK 2005 single user/5-user or WIN-PAK PRO 2005 to the same number of users in a WIN-PAK SE or WIN-PAK PE version (no LobbyWorks support).

7 81410 84399 8

NC-UWPPESE

WIN-PAK® PE SERVERS

All WIN-PAK® PE systems are file server computers with 5-user or 10-user OS. Included with the file servers is WIN-PAK PE, monitor, keyboard and mouse. Optional converters and printers can be ordered separately.

ADI Ordering Information

NC-WPPAC202

WPPAC202
**WIN-PAK PE Server Access Control Computer
with 5-User OS**
WIN-PAK PE file server computer with 5-user operating system.

NC-WPPAC202S

WPPAC202-S
**WIN-PAK PE Server Access Control Computer
with 5-User OS and SQL Server**
WIN-PAK PE file server computer with 5-user operating system with SQL server loaded as the default database engine.

NC-WPPFS202

WPPFS202
**WIN-PAK PE Server Access Control Computer
with 10-User OS**
WIN-PAK PE file server computer with 10-user operating system.

NC-WPPFS202S

WPPFS202-S
**WIN-PAK PE Server Access Control Computer
with 10-User OS and SQL Server**
WIN-PAK PE file server computer with 10-user operating system with SQL server loaded as the default database engine.

Consult www.honeywellaccess.com for current computer hardware specifications.

Professional Systems products are available only to certified dealers who have met Honeywell dealer requirements and completed the required technical training. Contact Honeywell Sales Support or your Regional Sales Manager for more information about becoming a certified dealer.

WIN-PAK® PE WORKSTATIONS

All workstations are loaded with the WIN-PAK® PE user interface when ordered with a file server. No WIN-PAK PE software is loaded if sold separately. This ensures that the same software version on the WIN-PAK PE server can be loaded on the workstation. Workstations include monitor, keyboard and mouse. Optional printers or badging kits can be ordered separately.

WPPWS201

WIN-PAK PE Workstation Computer
WIN-PAK PE workstation computer.

7 81410 32451 0

NC-WPPWS201

WPPWS235

WIN-PAK PE* Badging System with Simplex Printer
Badging ready workstation equipped with the Rio 2e simplex badging printer (M9006-749). Includes camera and power supply (PBCAM14), lighting kit (PBLK3), tripod (PB-TRI-POD), 25 no-technology PVC cards (PVC-NT-1), color ribbon (M9005-751) and cleaning kit (M9005-761MED).

7 81410 46181 9

NC-WPPWS235

*Consult www.honeywellaccess.com for current computer hardware specifications.

Professional Systems | WIN-PAK® PE SYSTEMS

WIN-PAK® PE SYSTEMS

WIN-PAK® PE "AC" and "FS" systems use a true file server computer. The "AC" systems use a 5-user Windows 2003 Server OS. The "FS" systems use a 10-user Windows 2003 Server OS. Badging is not supported on a file server. Badging kits can be added to the WPPWS201. The following chart indicates what each system includes.

Included Components	5-User WIN-PAK PE File Server Computer (WPPAC202)	5-User WIN-PAK PE File Server SQL Computer (WPPAC202-S)	10-User WIN-PAK PE File Server Computer (WPPFS202)	10-User WIN-PAK PE File Server SQL Computer (WPPFS202-S)	WIN-PAK PE Workstation (WPPWS201)	WIN-PAK PE Badging Workstation (WPPWS235)
Dell File Server CPU, 5-User OS	✓	✓				
Dell File Server CPU, 10-User OS			✓	✓		
Dell Workstation CPU					✓	✓
WIN-PAK PE Software	✓	✓	✓	✓		
MS SQL Server 2005 Database		✓		✓		
Dell 17" Flat Screen LCD Monitor	✓	✓	✓	✓	✓	✓
Rio 2e Simplex Printer (M9006-749)						✓
Rio 2e Color Ribbon (M9005-751)						✓
Rio 2e Cleaning Kit (N9005-761MED)						✓
USB Badging Camera (PBCAM14CO)						✓
USB Camera Power Supply (PBCAM14PS)						✓
USB Camera Remote (PBCAM14RC)						✓
Badging Lighting Kit (PBLK3)						✓
Camera Tripod (PB-TRI-POD)						✓
Blank PVC Cards, 25 Quantity (PVC-NT-1)						✓
Quick Reference Guide (TD0074-02)	✓	✓	✓	✓	✓	✓

Professional Systems products are available only to certified dealers who have met Honeywell dealer requirements and completed the required technical training. Contact Honeywell Sales Support or your Regional Sales Manager for more information about becoming a certified dealer.

WIN-PAK® PRO CENTRAL STATION

Sustaining growth and staying ahead of the competition are the greatest challenges facing security dealers today. Honeywell's new WIN-PAK® PRO Central Station access control product provides a cost effective and easy-to-manage security solution for businesses, while providing security dealers with multiple recurring revenue streams. WIN-PAK PRO Central Station offers dealers the opportunity to take control of their customer's installations and provide worry-free access control and value added services.

- Win More Business
- Keep Customers Longer
- Increase Profitability
- Reduce Installation Costs
- Reduce Service Costs

WCS0
WIN-PAK PRO Central Station for 5 Accounts and 5 Concurrent Users

7 81410 77675 3
NC-WCS0

WCS1
WIN-PAK PRO Central Station for 50 Accounts and 5 Concurrent Users

7 81410 72400 6
NC-WCS1

WCS2
WIN-PAK PRO Central Station for 100 Accounts and 5 Concurrent Users

7 81410 72401 3
NC-WCS2

WCS3
WIN-PAK PRO Central Station for 250 Accounts and 5 Concurrent Users

7 81410 72402 0
NC-WCS3

WCS4
WIN-PAK PRO Central Station for 500 Accounts and 5 Concurrent Users

7 81410 72403 7
NC-WCS4

WCS5
WIN-PAK PRO Central Station for 1,000 Accounts and 5 Concurrent Users

7 81410 72404 4
NC-WCS5

WCS6
WIN-PAK PRO Central Station for 2,500 Accounts and 5 Concurrent Users

7 81410 72405 1
NC-WCS6

WCS7
WIN-PAK PRO Central Station for Unrestricted Accounts and 5 Concurrent Users

7 81410 72406 8
NC-WCS7

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7  81410 72407  5
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NC-WCSW

WCSW
Web Interface for WIN-PAK PRO Central Station
The Web interface allows credential management to be performed via a trusted link from the dealer's Web page. Credential management includes cards, card holder with note fields, photos, signatures, access levels, reports for cards, card holder and access level. Unrestricted number of accounts or users.

SOFTWARE SERVICE AGREEMENT (SSA)

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7  81410 72520  1
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NC-SSAWCS

SSAWCS
Software Service Agreement for WIN-PAK PRO Central Station Software Only
WIN-PAK PRO Central Station Software Service Agreement includes all service and maintenance upgrades and provides priority phone line support. Additional benefits include 50% off any training, 10% off all labor and one day on-site technical support per year.

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7  81410 72521  8
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NC-SSAWCSC

SSAWCSC
Software Service Agreement for WIN-PAK PRO Central Station Software with Web Interface Option

WIN-PAK PRO CENTRAL STATION COMPUTER SYSTEMS


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7  81410 77100  0
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NC-WCSFSM

WCSFSM
WIN-PAK PRO Central Station – 50 Account System – Basic
50 account system for Ethernet and/or dial-up includes four communication ports (NTEXPDI4), cables (NTEXPCM) and modems (M-56K). Basic file server computer with 5-user server OS, 73 GB 15K RPM Serial-Attach SCSI, 4 GB RAM and MSDE database engine. Does not include Web interface option.

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7  81410 77101  7
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NC-WCSFSMW

WCSFSMW
WIN-PAK PRO Central Station – 100 Account System – Standard
100 account system for Ethernet and/or dial-up includes four communication ports (NTEXPDI4), cables (NTEXPCM) and modems (M-56K). Dual processor file server computer with 5-user server OS, 3-73GB 15K RPM Serial-Attach SCSI, 4 GB RAM, redundant power supply and SQL database engine. Does not include Web interface option.

Consult factory for applications requiring more than 500 accounts.

Professional Systems products are available only to certified dealers who have met Honeywell dealer requirements and completed the required technical training. Contact Honeywell Sales Support or your Regional Sales Manager for more information about becoming a certified dealer.

WCSFSB

WIN-PAK PRO Central Station – 500 Account System – Premium

500 account system for Ethernet and/or dial-up includes eight communication ports (NTEXPDI8), cables (NTEXPCM) and modems (M-56K). Dual processor file server computer with 5-user server OS, 5-73 GB 15K RPM Serial-Attach SCSI, 4 GB RAM, redundant power supply and SQL database engine. Does not include Web interface option.

7 81410 77102 4

NC-WCSFSB

REMOTE SITE STARTER KITS - DIAL-UP

RNSKR

NS2+ Remote Site Dial-up Starter Kit

NS2+ based kit with modem (M-56K), two readers (OP30HONE), transformer (X-4), battery backup (BAT-3), suppressor kit (S-4) and converter (N-485-HUB-2).

7 81410 77097 3

NC-RNSKR

RPSKR

PRO2200 Remote Site Dial-up Starter Kit

PRO2200 based kit with intelligent controller with enclosure, power supply and battery backup (PRO22E1IC), two-reader board (PRO22R2), modem (M-56K), modem cable (CBL-2), two readers (OP30HONE) and suppressor kit (S-4). The enclosure allows seven additional expansion boards.

7 81410 77098 0

NC-RPSKR

RPWSKR

N-1000-III Remote Site Dial-up Starter Kit

N-1000-III based kit with modem (M-56K), two readers (OP30HONE), transformer (X-4), suppressor kit (S-4) and converter (N-485-HUB-2).

7 81410 77099 7

NC-RPWSKR

7 81410 77107 9

NC-RNESKR

RNESKR
NS2+ Remote Site Ethernet Starter Kit
NS2+ based kit with Ethernet interface (NSLAN1), two readers (OP30HONE), transformer (X-4), battery backup (BAT-3) and suppressor kit (S-4).

7 81410 77108 6

NC-RNESKRC

RNESKRC
NS2+ Remote Site Ethernet Starter Kit with Multidrop 485
NS2+ based kit with 485 converter (N485PCI2L), Ethernet converter (LANSRLU1), two readers (OP30HONE), transformer (X-4), battery backup (BAT-3) and suppressor kit (S-4).

7 81410 77109 3

NC-RPESKR

RPESKR
PRO2200 Remote Site Ethernet Starter Kit
PRO2200 based kit with intelligent controller, Ethernet interface, enclosure with power supply and battery backup (PRO22E1EN), two-reader board (PRO22R2), two readers (OP30HONE) and suppressor kit (S-4). The enclosure allows 7 additional expansion boards.

7 81410 77110 9
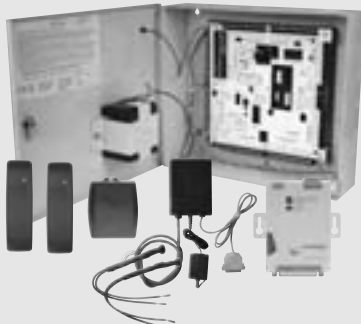
NC-RPWESKR

RPWESKR
N-1000-III Remote Site Ethernet Starter Kit
N-1000-III based kit with Ethernet interface (LANSRLU1), two readers (OP30HONE), transformer (X-4), suppressor kit (S-4) and converter (N485PCI2L).

Professional Systems products are available only to certified dealers who have met Honeywell dealer requirements and completed the required technical training. Contact Honeywell Sales Support or your Regional Sales Manager for more information about becoming a certified dealer.

PRO2200

The PRO2200 Intelligent Control Module (PRO22IC) is an advanced access control panel capable of providing solutions for large applications. The PRO22IC provides power and flexibility with its 32-bit CPU architecture, optional TCP/IP protocol support, flash memory for firmware and large local card holder database. The PRO22IC supports any combination of up to 8 I/O or reader boards to monitor alarm input points, relay output points and access control reader interface points. By offering a modular design, the system can be tailored to meet a wide range of applications while optimizing cost and mounting space. The PRO22IC is designed with various mounting options available. Units can be mounted in a high-density configuration (PRO22ENC1, PRO22ENC2 and PRO22ENC5) when space is limited or in a tile mount configuration (PRO22ENC3).

PRO22E1EN
**PRO2200 Intelligent Controller Kit
with TCP/IP Communication**
This kit contains the intelligent controller (PRO22IC), a high-density wall mount enclosure (PRO22ENC1), the high-density power supply (PRO22E1PS) and 7AH battery (PRO22BAT1) capable of supplying primary and backup power for up to 9 PRO2200 modules and Ethernet device (PRO22EN) for communication via TCP/IP to the host.

7 81410 43505 6
NC-PRO22E1EN

ALSO AVAILABLE:

PRO22E1IC
PRO2200 Intelligent Controller Kit with RS485 Communication
Same as PRO22E1EN, but utilizes an RS232 to RS485 converter in place of the PRO22EN for communication to the host.

7 81410 43506 3
NC-PRO22E1IC

PRO22E1D2
PRO2200 2 Door TCP/IP Kit
Adds one dual reader board (PRO22R2) to the PRO22E1EN.

7 81410 77103 1
NC-PRO22E1D2

PRO22E1D4
PRO2200 4 Door TCP/IP Kit
Adds two dual reader boards (PRO22R2) to the PRO22E1EN.

7 81410 77104 8
NC-PRO22E1D4

PRO22E1D8
PRO2200 8 Door TCP/IP Kit
Adds four dual reader boards (PRO22R2) to the PRO22E1EN.

7 81410 77105 5
NC-PRO22E1D8

Professional Systems | PRO2200 CONTROLLERS
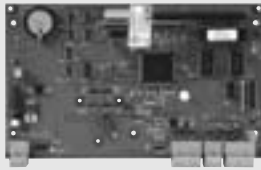
NC-PRO22IC

PRO22IC
PRO2200 Intelligent Controller
The PRO22IC supports any combination of up to 8 input/output or reader boards to monitor alarm input points, relay output points and access control reader interface points. The standard PRO22IC accommodates a card database of 20,000 cards, and a standard transaction buffer of 5,000 transactions. Units can be mounted in a high-density configuration (PRO22ENC1, PRO22ENC2 and PRO22ENC5) when space is limited, or in a tile-mount configuration (PRO22ENC3). Board dimensions: 5.5" H x 9.0" W x 1.0" D (228.6 mm H x 139.7 mm W x 25.4 mm D). Power requirements: 10-16 VDC @ 400 mA.
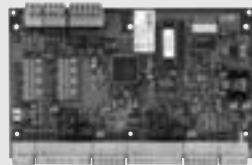
NC-PRO22R2

PRO22R2
PRO2200 Two Reader Board
PRO2200 dual reader board supports two TTL (Wiegand or clock and data) readers and supplies two Form-C contacts, 5 A @ 28 VDC (resistive) for controlling locks and four Form-C, 2 A @ 28 VDC (resistive) for controller auxiliary devices. Provides eight supervised inputs and two unsupervised dedicated inputs. Dimensions: 5.5" H x 9.0" W x 1.0" D (139.7 mm H x 228.6 mm W x 25.4 mm D). Power requirements: 12 VDC @ 400 mA.
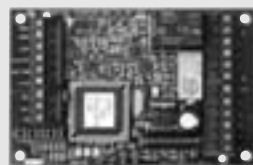
NC-PRO22R1

PRO22R1
PRO2200 Single Reader Board
PRO2200 single reader board supports one TTL (Wiegand or clock and data) reader and supplies one Form-C contact, 5 A @ 28 VDC (resistive) for controlling locks and one 1 A @ 28 VDC for controlling other devices along with two supervised inputs for door contact and REX device. Use PRO22ENC4 enclosure. Board dimensions: 2.75" H x 4.25" W x 1.4" D (108 mm H x 70 mm W x 36 mm D). Power requirements: 12 VDC 125 mA (175 mA max available for reader power).

NC-PRO22IN

PRO22IN
PRO2200 16 Input Module
PRO2200 input module with 12 general purpose inputs with programmable circuit type (16 are available when using PRO22ENC3 tile-mounted enclosure), two dedicated alarm inputs for tamper detection and power loss (tile-mounted only), and two general purpose, Form-C, 2 A @ 30 VDC relays (only one available when using PRO22ENC1, PRO22ENC2 and PRO22ENC5). Dimensions: 5.5" H x 9.0" W x 1.0" D (139.7 mm H x 228.6 mm W x 25.4 mm D). Power requirements: 12 VDC @ 350 mA.

NC-PRO22OUT

PRO22OUT
PRO2200 16 Output Module
PRO2200 output module with 12 general purpose output relays, Form-C, 2 A @ 30 VDC (16 are available when using PRO22ENC3 tile-mounted enclosure) and two dedicated alarm inputs for tamper detection and power-loss (tile-mounted only). Dimensions: 5.5" H x 9.0" W x 1.0" D (139.7 mm H x 228.6 mm W x 25.4 mm D). Power requirements: 12 VDC @ 400 mA.

Professional Systems products are available only to certified dealers who have met Honeywell dealer requirements and completed the required technical training. Contact Honeywell Sales Support or your Regional Sales Manager for more information about becoming a certified dealer.

PRO22ENC1
PRO2200 High Density Enclosure Only
The PRO22ENC1 is a high-density wall mount enclosure capable of housing up to nine PRO2200 modules. Power supply (PRO22E1PS) and battery (PRO22BAT1) sold separately. Dimensions: 13.9" H x 17" W x 9" D (35.3 cm H x 43.2 cm W x 22.9 cm D).

7 81410 42139 4

NC-PRO22ENC1

PRO22ENC2
PRO2200 Rack Mount Enclosure Only
The PRO22ENC1 is a high-density 19" rack mount enclosure capable of housing up to nine PRO2200 modules. Power supply (PRO22E1PS) and battery (PRO22BAT1) sold separately. Dimensions: 13.9" H x 18.9" W x 9" D (35.3 cm H x 48.0 cm W x 22.9 cm D).

7 81410 42140 0

NC-PRO22ENC2

PRO22ENC3
PRO2200 Tile Mount Remote Enclosure
PRO2200 tile mount enclosure capable of housing and supplying battery backed power for two PRO2200 series modules. Contains 2.4 A power supply and 4 AH sealed lead acid battery. Dimensions: 14" H x 16" W x 4" D (35.6 cm H x 40.7 cm W x 10.2 cm D).

7 81410 42340 4

NC-PRO22ENC3

PRO22ENC4
PRO22R1 Single Reader Board Enclosure
Single reader board enclosure designed specifically for the PRO22R1. Includes power supply and battery. Dimensions: 8.37" H x 7.63" W x 7.63" D (21.3 cm H x 19.4 cm W x 19.4 cm D).

7 81410 42341 1

NC-PRO22ENC4

PRO22ENC5
PRO2200 Card Rack Only, No Enclosure
Rack cage only for custom enclosures. Capacity: nine PRO2200 modules (excluding PRO22R1). Power supply (PRO22E1PS) and battery (PRO22BAT1) not included. Dimensions: 9.35" H x 16.85" W x 5.6" D (23.8 cm H x 42.8 cm W x 14.2 cm D).

7 81410 42141 7

NC-PRO22ENC5
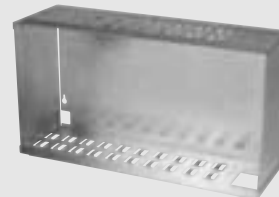
PRO2200 COMMUNICATIONS

PRO22EN
PRO2200 Ethernet Daughter Board
The PRO22EN offers TCP/IP (10Base-T) interface that mounts directly on the PRO22IC and requires no external devices or wiring. Power is supplied by the PRO22IC. Simply use the standard RJ45 jack to connect via CAT5 to the existing LAN/WAN network. Transmit, receive, and good link diagnostic TCP/IP status indicators. Dimensions: 1.574" H x 1.929" W x 1" D (40.0 mm H x 49.0 mm W x 25.4 mm D).
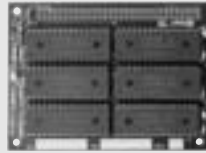
7 81410 43500 1

NC-PRO22EN

PRO22CVT1
RS232-RS485 Data Converter
The PRO22CVT1 is an RS485 interface located between the computer and the PRO22IC. The device converts the RS232 data coming from the serial port on the PC into RS485 data.

7 81410 42344 2

NC-PRO22CVT1

# Professional Systems | PRO2200 ACCESSORIES

7 81410 43510 0
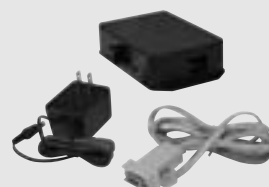
NC-PRO22M4

PRO22M4
PRO2200 4 MB Memory Expansion
The memory expansion module (PRO22M4) mounts directly on the PRO22IC and allows for a card database of 50,000 cards and a transaction buffer capable of storing 35,000 transactions.

* When using WIN-PAK PE with multiple access levels, the card data base maximum is 10,000.

7 81410 42470 8
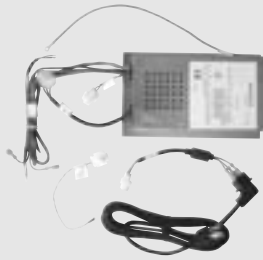
NC-PRO22E1PS

PRO22E1PS
4 A Rack Mounted Power Supply with Battery Backup
12 VDC @ 4 A power supply with battery charger for use in PRO22ENC1 or PRO22ENC2 enclosures. This power supply is auto-switching and can accept 85 VAC to 230 VAC @ 50/60 Hz. Battery (PRO22BAT1) sold separately.

7 81410 42983 3

NC-PRO22BAT1

PRO22BAT1
PRO2200 12 V, 7 A Backup Battery
12 V, 7 AH sealed lead acid battery for use with the PRO22E1PS power supply.

7 81410 42321 3

NC-PRO22DCC

PRO22DCC
PRO2200 Daisy Chain Cable
The PRO22DCC daisy chain cable is a prewired cable harness used to quickly route power and RS485 communications across up to nine PRO2200 series panels located in the PRO22ENC1 or PRO22ENC2 enclosure.

Professional Systems products are available only to certified dealers who have met Honeywell dealer requirements and completed the required technical training. Contact Honeywell Sales Support or your Regional Sales Manager for more information about becoming a certified dealer.

Web-based Access Control

For customers who are looking to take advantage of Web-based access control, Honeywell's NetAXS™ offers a solution that helps reduce time spent on installation, support and training. Web-based access control is the ideal solution for customers who want to manage their own access control solution but want to avoid the issues associated with managing operating systems, software upgrades, and compatibility issues. Now, customers can access and manage their system from any Internet connection—anywhere. Using the Web-based access control solutions provided by NetAXS, customers can start with the Web and grow as their needs change. Then, if their needs grow beyond the capability of the Web system, they can migrate to the WIN-PAK platform and expand their system further.

THIS SECTION INCLUDES:

NetAXS™ Standalone Kits

NetAXS™ Control Panels

Web-based Access Control

Honeywell's NetAXS™ is the ideal solution for users who are new to access control. Simple programming and menu options are based on typical Web usability which helps reduce the overall learning curve. NetAXS is IT friendly and has built-in Ethernet support that is encrypted and easy to manage.

Benefits:

- Intuitive interface provided by simple web pages allows fast programming and easy usability.

- Integrated enclosure keeps installation costs to a minimum.

- Pre-wired power and connectors simplify installation so you can hang it up, plug it in, and go. No other solution makes installation easier!

- Because there is no PC software to purchase or install, equipment costs are reduced.

- No operating systems, virus checking, or hard drive issues.

- Check your system or run reports from any web browser.

Web-based Access Control |

NX4OP30S

NX4 with Small Enclosure - Standalone Web-based Access 4 Door Kit with OP30HONE

NetAXS Standalone Web Controller Kit with 4 OP30HONE Proximity Readers, small enclosure, NX4 control panel, transformer and 12 VDC, 7 A backup battery.

7 81410 85513 7

NC-NX4OP30S

NX4OP30L

NX4 with Large Enclosure - Standalone Web-based Access 4 Door Kit with OP30HONE

NetAXS Standalone Web Controller Kit with 4 OP30HONE Proximity Readers, large enclosure, NX4 control panel, 8 output fused relay board, 24 VDC, 6 A power supply and (2) 12 VDC, 7 A backup batteries.

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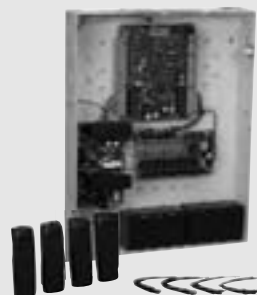
NC-NX4OP30L

NX4OP40S

NetAXS with Small Enclosure - Standalone Web-based Access 4 Door Kit with OP40HONE

NetAXS Standalone Web Controller Kit with 4 OP40HONE Proximity Readers, small enclosure, NX4 control panel, transformer and 12 VDC, 7 A backup battery.

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NC-NX4OP40S

NX4OP40L

NetAXS with Large Enclosure - Standalone Web-based Access 4 Door Kit with OP40HONE

NetAXS Standalone Web Controller Kit with 4 OP40HONE Proximity Readers, large enclosure, NX4 control panel, 8 output fused relay board, 24 VDC, 6 A power supply and (2) 12 VDC, 7 A backup batteries.

7 81410 85516 8

NC-NX4OP40L

NX4L1

NX4 Pre-wired 4 Door Hybrid Control Panel

NX4 pre-wired 4 door control panel includes large enclosure with NX4 control panel, 8 output fused relay board, 24 VDC, 6 A power supply and (2) 12 VDC, 7 A backup batteries. System specifications include fast 32-bit processor with memory capacity for 10,000 card holders; 25,000 buffer capacity; 14 supervised alarm inputs, expandable to 78 total inputs; 8 relay outputs (SPDT), expandable to 72 total outputs; built-in Ethernet interface with integrated Linux Web server, RS232 and RS485 communication interfaces. Direct 110 VAC power cord. Dimensions: 17.7" W x 23.9" H x 4.2" D (45.0 cm W x 60.7 cm H x 9.0 cm D). Temperature: 35-110°F (2-43°C) operational humidity: 0 to 85% RHNC; UL 294 and CE listed.

7 81410 85224 2
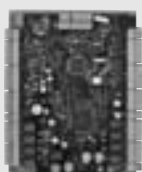
NC-NX4L1

Web-based Access Control |

NC-NX4S1

NX4S1
NetAXS Small 4 Door Hybrid Control Panel
NetAXS 4 door control panel includes small enclosure with NX4 control panel with 12V, 7 A battery backup and 16.5 VAC plug-in transformer. System specifications include fast 32-bit processor with memory capacity for 10,000 card holders; 25,000 buffer capacity; 14 supervised alarm inputs, expandable to 78 total inputs; 8 relay outputs (SPDT), expandable to 72 total outputs; built-in Ethernet interface with integrated Linux Web server, RS232 and RS485 communication interfaces. 24 VDC @ 2 A or 16.5 VAC @ 2 A. Dimensions: 14.9" W x 18.0" H x 4.4" D (36.8 cm W x 45.7 cm H x 12.0 cm D). Temperature: 35-110°F (2-43°C) operational humidity: 0 to 85% RHNC; UL 294 and CE listed.

NC-NX4PCB

NX4PCB
NetAXS Control Panel – Board Only
NetAXS Control Panel without Enclosure.

NC-NX4OUT

NX4OUT
NetAXS 16 Output Board
NetAXS 16 Output Relay Board with 16 general purpose output relays, Form-C, 2 A @ 30 VDC and two dedicated alarm inputs for tamper detection and power loss. Up to 4 NX4OUT output boards per NetAXS control panel. Dimensions: 5.5" H x 9.0" W x 1.0" D (139.7 mm H x 228.6 mm W x 25.4 mm D). Power requirements: 12 VDC @ 400 mA.
Note: Requires separate enclosure and power supply.

NC-NX4IN

NX4IN
NetAXS 32 Input Board
NX4IN input module with 32 general purpose inputs with programmable circuit types. Up to 2 NX4IN input panels per NetAXS control panel. Dimensions: 5.5" H x 9.0" W x 1.0" D (139.7 mm H x 228.6 mm W x 25.4 mm D). Power requirements: 12 VDC @ 350 mA.
Note: Requires separate enclosure and power supply.

NC-712BNP

712BNP
12V, 7AH Backup Battery
12V battery for the NetAXS and PRO22 panels.

Entry Level Solutions

For small to medium-sized applications Honeywell

offers a turnkey access control solution in an

easy-to-install package that does not compromise

on desirable features such as video integration

and networking. And should the need arise,

there is an easy upgrade path to a larger scale

Honeywell solution.

THIS SECTION INCLUDES:

NStar

NS2

Entry Level Solutions

NStar is a cost-effective solution for entry level applications with the ability to seamlessly expand and adapt to future growth needs. The solution is composed of the NS2 control panel and NStar access control software. It allows you to start small and easily upgrade your access control system as your security requirements evolve.

Benefits:

- State-of-the-art technology, processing power and speed uncommon in an entry-level product.

- Unprecedented scalability allowing for easy system expansions or future technology updates via a unique XPort expansion port.

- Comprehensive software with fast installation, simple operation via user-defined control and viewing of system status, and an event viewer for real-time observation of system activities.

- Available option package including video badging, real-time alarm pop-up, digital video integration, intrusion integration and networking is available to meet future needs.

Entry Level Solutions | NSTAR

NSTAR

NSSKR
NStar Access Starter Kit with OmniProx Readers
The NSSKR is an NStar starter kit with readers. The kit contains NStar software, NS2 controller (NS2), two HID compatible OmniProx readers (OP10HONE), locking enclosure (ENC10), accessory kit (NS2ACC), 50' communications cable (CBL50), transformer (X-4) and two suppressor kits (S-4). Optional 485 or onboard TCP/IP available. Dimensions: 14.5" H x 12.5" W x 3.5" D (36.83 cm H x 31.75 cm W x 8.89 cm D).

ALSO AVAILABLE:
NSSK
NStar Access Starter Kit without Readers
Readers are sold separately.

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NC-NSSKR

7 81410 49005 5
NC-NSSK

NSEKR
NStar Access Expansion Kit with OmniProx Readers
The NSEKR is an expansion kit with readers that adds two doors to an existing NStar installation. The kit contains the NS2 controller (NS2), locking enclosure (ENC10), NS2 accessory kit (NS2ACC), two HID compatible OmniProx readers (OP10HONE), transformer (X-4) and two suppressor kits (S-4). Dimensions: 14.5" H x 12.5" W x 3.5" D (36.83 cm H x 31.75 cm W x 8.89 cm D).

ALSO AVAILABLE:
NSEK
NStar Access Expansion Kit without Readers
Readers are sold separately.

7 81410 49006 2
NC-NSEKR

7 81410 49007 9
NC-NSEK

NSOPT1
NStar Software Upgrade
Enhances NStar by activating the following features: Networking to 5 concurrent NStar users; photo ID badging production includes layout utility that includes bar codes, magnetic stripe encoding and two-sided printing; auto card pop-up; Rapid Eye and Rapid Eye LT DVR support allows a pop-up of the live view, retrieve stored events and control PTZ camera(s); alarm popup view with up to 99 priority levels.

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NC-NSOPT1
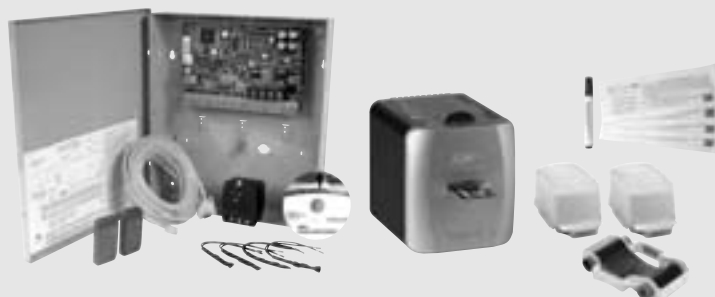
NSBDG1
NStar Access and Badging Kit
Everything needed for access and badging in one affordable kit. Includes: NStar Starter Kit with readers (NSSKR) and Software Option Pack (NSOPT1), camera, Alto photo ID badging printer (M9006-380), color ribbon (PCX-PF2) and cleaning kit (CK1).

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NC-NSBDG1

Entry Level Solutions | NS2

NC-NS2
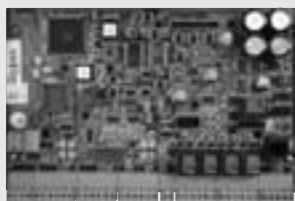
NS2
NS2 Control Panel, Board Only
Two reader/keypad access control panel for NStar only. 2,000 code capacity, 10,000 buffer capacity, four relays (SPDT) 12 A @ 28 VDC, eight supervised alarm inputs, RS485 communications or TCP/IP interface module (optional). 600 mA 12 VDC output for readers and auxiliary devices. Current draw is 1.25A maximum. Power requirements: 16.5 VAC (X-4) or 24 VDC @ 1.25A. Dimensions: 5.75" H x 9" W x 1.5" D (14.61 cm H x 22.86 cm W x 3.81 cm D).

NC-NSLAN1

NSLAN1
Ethernet Adapter for NS2
The NSLAN1 is a TCP/IP (10BASE-T) interface that mounts directly on the NS2 and requires no external devices or wiring and receives power from the NS2. Simply use the standard RJ45 jack to connect via CAT5 to the existing LAN/WAN network. Use one NSLAN1 for each NS2. Transmit, receive and good link diagnostic TCP/IP status indicators. Dimensions: 1.574" H x 1.929" W x 1" D (40.0 mm H x 49.0 mm W x 25.4 mm D).

NC-NS2MEM

NS2MEM
NS2 Memory Expansion Module
Expands the NS2 to 10,000 card holders and 100,000 buffers.

NC-CBL50

CBL50
RJ45 to DB9F Serial Cable for NS2 Control Panel
50' RJ45 to DB9F serial cable for use with the NS2 control panel. Included with NSSK and NSSKR.

NC-ENC10

ENC10
Universal Beige Cabinet
Beige enclosure for NS2. Dimensions: 14.5" H x 12.5" W x 3.5" D (36.83 cm H x 31.75 cm W x 8.9 cm D).

NC-ENC30

ENC30
NS2 High Density Enclosure Only
A high-density wall mount enclosure capable of housing up to nine NS2 panels. Power supply and battery sold separately. Dimensions: 13.9" H x 17" W x 9" D (35.3 cm H x 43.2 cm W x 22.9 cm D).

NC-NS2ACC
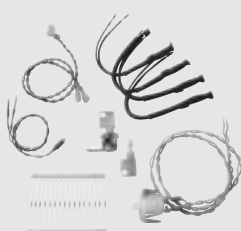
NS2ACC
NS2/NS2+ Accessory Kit
Includes cabinet lock and key, terminating resistors, LED, battery leads, surge suppressors, panel tamper and grounding block.

Digital Video Solutions

Honeywell is a whole solution provider that offers digital video integration using Honeywell DVR products. Integration through NStar, WIN-PAK® SE, WIN-PAK PE and WIN-PAK PRO Central Station allows video to be tied to access control events and alarms. Video clips can be recalled through the software based on time or event. With integration, users can have complete camera control, including pan, tilt and zoom, and verify live users with stored images using the Video Verification option.

THIS SECTION INCLUDES:

Rapid Eye™ Multi-Media DSP v8 Series

Rapid Eye™ Multi-Media v7 Series

Rapid Eye™ Multi-Media LT v7 Series

Fusion III v3.6 Series

Image courtesy of Mystic Lake Casino & Hotel - Shakopee Mdewakanton Sioux Community designed by the SMSC Gaming Enterprise.

Digital Video Solutions

Honeywell's comprehensive DVR offering encompasses a wide variety of products and features certain to provide the right solution for every situation. Whether your needs are PC-based or embedded, standalone or integrated, Honeywell's DVR lineup has just what you need. Choose from an assortment of DVRs, including the event-driven Rapid Eye Multi-Media DSP v8 Series, a 32-channel 480 ips Fusion III v3.5, the high performance HRXD, or the cost effective HRSD and HRDE 4X4.

Benefits:

• High performance and excellent video quality.

• Innovative technology, resulting in maximum storage capacity and longer recording times.

• Ability to search more quickly and effectively without losing recorded video.

• Remote access through network/telephone that can be managed from headquarters or home office.

• Fully-integrated with Honeywell's data analysis software and access control systems.

• For smarter video and tighter security, use DVR in combination with Honeywell's state-of-the-art intelligent video analytics. Honeywell's unique, patented software eliminates false alarms by automatically recognizing and classifying user defined events and behaviors.

Digital Video Solutions

DVR INTEGRATION

Honeywell offers enhanced digital video recording integration by combining its video and CCTV systems with access control systems to create powerful security solutions. With Honeywell's video systems, you get innovative PC-based digital recording technology that seamlessly integrates with access control and software systems from Honeywell's access systems. This powerful combination gives you enhanced functionality and greater control over your security needs.

DVR Integration

- Capture live video and link it to access control alarms and events such as door forced open, invalid card readers, glass break, motion alarms and others.

- Video verification for access control allows operators to verify a live user and match the user to an existing image stored in the access control database. The operator can then grant or deny access based on verification.

- Video pop-ups linked to alarms or events generated by an access control system. Thereafter, a video screen displays the event as it occurs – and operators can retrieve video prior to the alarm or event.

- Consistent camera control in the access control software, such as pan, tilt, and zoom are connected to the DVR directly from the access control software, which allows up to six cameras to be monitored simultaneously and gives the operator the ability to select specific cameras to control.

- Additional features include live video call-up, alarm view screen, digital video screen, set camera presets, history event filters, synchronized playback of multiple cameras and more.

DVR Integration of Access Control and Video Systems

	1-2 Door Application	Entry Level Commercial	Small - Medium Commercial	Large Commercial	Centrally Monitored
Typical Applications	• Gates • Small Retail	• Small Office Buildings • Medical/ Professional • Daycare Centers	• Medium Businesses • Financial • Manufacturing • Light Industrial	• Medium-large Commercial • Financial • Pharmaceutical • Universities/Campuses • Government	• Small-medium Commercial • Remote Managed Sites • Web-based Management
Software Solution	• NStar Starter Kit	• NStar	• WIN-PAK SE	• WIN-PAK SE • WIN-PAK PE	• WIN-PAK PE Central Station
Hardware Solution	• NS1 Single Door System	• NS2 Controller	• NS2+ Controller	• NetAXS • N-1000 Controller • PRO2200 Controller	• NetAXS • NS2+ Controller • N-1000 Controller • PRO2200 Controller
Video Solution	• Rapid Eye Multi Media v7 with NSOPT1	• Rapid Eye Multi-Media LT v7 with NSOPT1	• Rapid Eye Multi-Media v7 and Fusion III v3.5	• Rapid Eye Multi-Media DSP v8 or Fusion III v3.5	• Rapid Eye Multi-Media LT v7, v7 and DSP v8

For ordering information, visit www.honeywellvideo.com or contact Inside Sales at 1-800-796-2288.

Digital Video Solutions

Rapid Eye™ Multi-Media DSP v8 Series

- Real-time recording rates at CIF resolution: 480/400 global (NTSC/PAL)
- Up to 4CIF recording and/or viewing resolution
- Live viewing using LocalView
- Standard DVD-RW drive for local clip generation on DVD
- 16 looping video inputs
- Dual audio channels (Bi-directional and VoIP)
- 16 alarm inputs, 8 control outputs, 10 serial ports
- 4 shock mounted field replaceable hard drive bays

- Linux – secure, stable multi-tasking real-time OS
- Keyboard with USB 2.0 port for convenient clip creation on USB memory dongle
- SNTP client automatically synchronizes to SNTP servers
- RapidSearch™ for video evidence by events, data, motion or alarm
- IntelliBus™ protocol support
- Integrated intelligent video analytics option

Rapid Eye Multi-Media v7 Series

- 60 ips globally
- 16 channels of looping video inputs
- Internal storage capacity ranging from 500 to 6,250 camera days
- Optional CD-RW for clip generation and easy software upgrades
- 16 alarm inputs
- 8 control outputs

- 2 serial ports
- Fault relay: DPDT Form C relay
- Network interface: RJ45 10/100 Base T Ethernet
- Internal modem: V.90 multi-protocol
- Multi-site, single workstation license of ADMIN and VIEW software included
- Built-in POS or ATM data capture capability

Rapid Eye Multi-Media LT v7 Series

- 20 or 40 ips globally
- 4 or 9 channels of looping video input
- Internal storage capacity ranging from 200 to 2,000 camera days
- Optional CD-RW for clip generation and easy software upgrades
- 4 or 9 alarm inputs
- 4 control outputs
- 2 serial outputs
- Fault relay: DPDT Form C relay

- Network interface: RJ45 10/100 Base T Ethernet
- Internal modem: V.90 multi-protocol with 20 ips models only
- Single site and single workstation license of ADMIN and VIEW software included
- Built-in POS or ATM data capture capability

Fusion III Digital Video Recorder System

- Up to 16 channels digital IP
- Available with 8, 16 or 32 looping analog video inputs
- Global recording rates from 120/100 to 480/400 at CIF resolution (NTSC/PAL)
- Recording resolutions up to 720 x 480 (4CIF)
- Local live viewing on the real-time display models
- Internal storage capacity from 250 GB to 2 TB
- External storage options from 1 TB to 40 TB
- 16 sensor inputs and 16 control outputs
- 16 channels of audio standard on select models
- Keyboard control of camera selection and PTZ control
- Windows XP embedded operating system
- Complete local and remote configuration

- User software included with each DVR:
  - Fusion III Server Software – Local user interface
  - HFRVS Remote Software – Connect to a single DVR
  - HFVMS Remote Management Software – Connect to multiple DVRs
- New search-in-live mode feature
- Smart, preview and index searches
- Integrated intelligent video analytics option
- Integrated POS/ATM with Honeywell's IDM software
- Access control integration to Honeywell's Pro-Watch and WIN-PAK
- Powerful API available for third party software integration

Contact your Honeywell Access Systems representative for more details on Honeywell video products or visit www.honeywellvideo.com.

Visitor Management

The lobby is your first line of defense and your visitor's first impression. With increased threats, the traditional method of using a log book and generic visitor tags leaves you vulnerable. LobbyWorks™ is a simple and effective way to gain better control of your visitor traffic. With LobbyWorks, visitors are identified, potential threats are flagged, expected visitors are pre-authorized, badges are issued, sponsors are notified, and visitors are tracked while on the premises.

THIS SECTION INCLUDES:

LobbyWorks™ Kits

LobbyWorks™ Software

LobbyWorks™ Optional Hardware

LobbyWorks™ Accessories

Visitor Management

Electronic visitor management is gaining wide acceptance as an essential part of physical security infrastructure. Visitor management is being adopted across the board in many industries including pharmaceutical and healthcare facilities, food supply chain, technology R&D centers, manufacturing sites, media and communication companies, government agencies, defense contractors, chemical production sites, utilities, and finance and insurance corporate offices. All have a common need to maintain better visibility of their visitor traffic through consistent registration and visitor policy enforcement procedures.

Benefits:

Deploying the LobbyWorks™ suite is a simple and cost effective way to:

- Determine who is in your facility at all times.
- Identify unwanted visitors.
- Eliminate abuse of visitor badges.
- Protect the confidentiality of visitors.
- Facilitate communication between hosts, visitors, and security personnel.
- Improve lobby and security desk productivity.

Each day scores of visitors pass through the entrances to your facility. Having the ability to screen and track them can contribute substantially to the safety and protection of your personnel and property. For companies that have made significant investments in perimeter security and access control, the ability to automatically screen and track visitors is an essential part of a complete security plan.

LWVMSKSTD

LobbyWorks™ Standard Edition Starter Kit

Contains:
- LWVMSSTD – LobbyWorks Standard Edition
- LWVMSBP – Dymo LabelWriter 400
- LWVMSDLS – Driver License and Business Card Scanner
- LWVMSDOME – Logitech Orbit PTZ Camera
- LWVMSVB – Dymo Adhesive Visitor Badge Labels – 12 rolls (300 labels/roll)

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NC-LWVMSKSTD

LWVMSKSTDCL

LobbyWorks Standard Edition Additional License Kit

Contains:
- LWVMSSTDCL – LobbyWorks Standard Edition
- LWVMSBP – Dymo LabelWriter 400
- LWVMSDLS – Driver License and Business Card Scanner
- LWVMSDOME – Logitech Orbit PTZ Camera

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NC-LWVMSKSCL

LWVMSKPRO

LobbyWorks Professional Edition Kit

Contains:
- LWVMSPRO – LobbyWorks Professional Edition
- LWVMSBP – Dymo LabelWriter 400
- LWVMSDLS – Driver License and Business Card Scanner
- LWVMSDOME – Logitech Orbit PTZ Camera
- LWVMSVB – Dymo Adhesive Visitor Badge Labels – 12 rolls (300 labels/roll)

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NC-LWVMSKPRO

LOBBYWORKS SOFTWARE COMPARISON

Features	Professional Edition	Standard Edition
Multiple Stations		✓
Registration	✓	✓
Tracking	✓	✓
Badging	✓	✓
Watch List	✓	✓
Photo	✓	✓
Business Card Image	✓	✓
Driver License Image	✓	✓
Signature Image	✓	✓
Group Registration	✓	✓
Asset Tracking		✓
Delivery Tracking		✓
Available Add-ons		
Web Center		✓
Notify		✓
Kiosk		✓
Reports	✓	✓

Visitor Management | LOBBYWORKS™ SOFTWARE

NC-LWVMSSTD

LWVMSSTD
LobbyWorks Standard Edition
First license for LobbyWorks networked edition. Full featured visitor management with interface to many registration devices such as cameras, signature pad, barcode scanner, business card scanner, driver license and passport scanner, card reader, and voice modem. Standard Edition includes LobbyWorks Front Desk, Administrator, and Reporter. Supported databases: MSDE 2000, MS-SQL 2000. LobbyWorks Standard Edition can be networked with additional Front Desk licenses (LWVMSSTDCL), Kiosk Software (LWVMSEXPCL), LobbyWorks Web Center (LWVMSEBNDL) for Web-based pre-registration, and LobbyWorks Notify (LWVMSCOM) for real-time network notification.

NC-LWVMSSTC

LWVMSSTDCL
LobbyWorks Standard Edition Additional License
Additional LobbyWorks Front Desk license for LobbyWorks Standard Edition.

NC-LWVMSPRO

LWVMSPRO
LobbyWorks Professional Edition
LobbyWorks standalone edition supports the same capabilities as Standard Edition but cannot be used to network multiple station connect to LobbyWorks Kiosk, LobbyWorks Web Center, or LobbyWorks Notify.

NC-LWVMSEXP

LWVMSEXP
LobbyWorks Kiosk Software License
First license of LobbyWorks visitor self-registration software. May be used as standalone or in networked configuration. Self registration supports scanning visitor's card, identifying their host, capturing their picture, displaying NDA and visit instructions, obtaining real-time approval of the visit, and printing the visitor's badge. The LobbyWorks Kiosk may also dispense relevant visitor information. LobbyWorks Kiosk software may be used in conjunction with any touch screen or the LobbyWorks Integrated Kiosk (LWVMSISK).

Visitor Management | LOBBYWORKS™ SOFTWARE

LWVMSEXPCL
LobbyWorks Kiosk Additional License

Additional LobbyWorks Kiosk license for LobbyWorks Standard Edition
(LWVMSSTD) or LobbyWorks Kiosk (LWVMSEXP).

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NC-LWVMSEXPC

LWVMSEBNDL
LobbyWorks Web Center
Web access to LobbyWorks server to allow hosts to pre-register their visitors, and allow
security to view real-time visitor traffic and validate/sign in/sign out visitor badges.
One license required per site. Requires Microsoft IIS.

7 81410 69146 9
NC-LWVMSEBND

LWVMSRPT
LobbyWorks Reporter Additional License
Report generation utility. First license comes with Standard Edition (LWVMSSTD),
Professional Edition (LWVMSPRO) and LobbyWorks Kiosk (LWVMSEXP).

7 81410 69519 1
NC-LWVMSRPT

LWVMSCOM
LobbyWorks Notify
Real-time network pop-up at the employee's desktop to confirm the visitor is expected upon
arrival, and to confirm the visitor has left the site at the end of the expected visit period.
One license required per site.

7 81410 69520 7
NC-LWVMSCOM

LWVMSPESE
LobbyWorks Software Upgrade
Software license upgrade from LobbyWorks Professional Edition (LWVMSPRO) to
Standard Edition (LWVMSSTD).

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NC-LWVMSPESE

Visitor Management | LOBBYWORKS™ OPTIONAL HARDWARE

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NC-LWVMSDLS

LWVMSDLS
ScanShell Business Card and Driver License Scanner
USB document scanner used to scan visitor business cards or driver licenses during registration at the LobbyWorks Front Desk or LobbyWorks Kiosk. Check LobbyWorks documentation for supported driver license states and countries. Dimensions: 1.25" H x 7" W x 2" D (3.18 cm H x 17.78 cm W x 5.08 cm D).

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NC-LWVMSBCSC

LWVMSBCSC
ScanShell Compact Business Card Scanner

USB document scanner used to scan visitor business cards during registration at the LobbyWorks Front Desk or LobbyWorks Kiosk. Dimensions: 1.25" H x 7" W x 2" D (3.18 cm H x 17.78 cm W x 5.08 cm D).

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NC-LWVMSPPS

LWVMSPPS
ScanShell Flatbed Scanner
USB document scanner used to scan visitor business cards, driver licenses or passports during registration at the LobbyWorks Front Desk or LobbyWorks Kiosk. Check LobbyWorks documentation for supported driver license states and countries. Dimensions: 1" H x 7" W x 6" D (2.54 cm H x 17.78 cm W x 15.24 cm D).

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NC-LWVMSDOME

LWVMSDOME
Logitech Orbit PTZ Dome Camera
USB Web camera, PTZ with stand. Camera may be set to perform face tracking to automatically frame the visitor in picture.

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7 81410 69169 8

NC-LWVMSBP

LWVMSBP
Dymo LabelWriter 400
USB, 300 dpi, black/white thermal printer for visitor labels. Dimensions: 5.5" H x 5" W x 7" D (13.97 cm H x 12.7 cm W x 17.78 cm D).

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NC-LWVMSOBS

LWVMSOBS
Symbol LS9208 Barcode Scanner
USB omni-directional barcode scanner used to scan barcodes on visitor badges to quickly sign them in and out. Dimensions: 7.18" H x 4.83" W x 3.73" D (18.24 cm H x 12.27 cm W x 9.47 cm D).

Visitor Management | LOBBYWORKS™ OPTIONAL HARDWARE

LWVMSSIG
Topaz SigLight LCD Signature Capture Pad
USB signature capture pad used to capture visitor signatures during registration. Dimensions: 3" H x 6" W x 1" D (7.62 cm H x 15.24 cm W x 2.54 cm D).

7 81410 69171 1

NC-LWVMSSIG

LWVMSIKD
Touchscreen Kiosk with Integrated Camera and Speakers
17" touchscreen with an integrated camera and speakers. Used to display the LobbyWorks Kiosk software for visitor self-registration.

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NC-LWVMSIKD
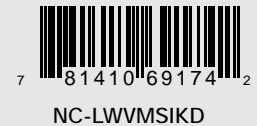
LWVMSISK
Free-Standing Touch Screen Kiosk with Integrated Computer and Components
LobbyWorks Kiosk is a visitor self-registration station for high traffic or unsupervised registration. Using state of the art technology, LobbyWorks Kiosk greets arriving visitors and coaches them through a quick and simple registration process. Kiosk enclosure includes computer, 17" touchscreen, camera, barcode scanner, thermal printer and driver license/business card scanner. Kiosk does not include LobbyWorks license (LWVMSEXPCL). Dimensions: 18.5" W x 63.6" H x 24.9" D (470.5 mm x 1615 mm x 631.5 mm). Weight: 132 lbs (60 kg).

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NC-LWVMSISK

LWVMSHUB
4-Port USB Hub
4-port USB 1.1 hub with external power supply. Used to add USB ports for PCs that do not have enough ports to support the LobbyWorks devices.

7 81410 70830 3

NC-LWVMSHUB

LWVMS56K
MultiTech 5600 Serial Voice Modem
Serial interface voice modem. Used by LobbyWorks Front Desk and LobbyWorks Kiosk to call the host, announce the visit and accept a touch-tone confirmation of the visit. Dimensions: 1" H x 4.5" W x 7" D (2.54 cm H x 11.43 cm W x 17.78 cm D).

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NC-LWVMS56K
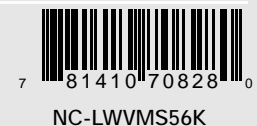
NC-LWVMSVB

LWVMSVB
Adhesive Visitor Badge Labels
Thermal labels for Dymo printer - 12 rolls (300 labels/roll).
Prints black/white badges only.

NC-LWVMSCVB

LWVMSCVB
4" x 6" Non-Adhesive Visitor Badges
Fold-and-clip secure visitor paper badges. Can be used in ink and laser
paper printers. 1,000 badges per pack. Dimensions: 4" H x 6" W
(10.16 cm H x 15.24 cm W).

Control Panel Solutions

Honeywell's control panel solutions have been the reliable choice of dealers for many years. Our controllers are the benchmark of the industry and offer unmatched flexibility and reliability that result in fewer callbacks and improved bottom-line profits for dealers. The new NetAXS™ series control panels provide the latest technology and innovations for access control solutions. NetAXS functions both as a replacement panel for the N-1000 control panel and as a next generation controller with all the capabilities our customers demand.

THIS SECTION INCLUDES:

NetAXS™

N-1000 Series

N-1000 System Kits

NS2+

Control Panel Solutions

The next generation of control panels is here. NetAXS™ is a direct N-1000 replacement that can be retrofitted* in over 100,000 installed panels. Along with the N-1000, NetAXS provides simple installation, robust operation and full features. NetAXS offers the latest technologies in IP communications, Web browser interface, fast processor and more. Use NetAXS for your next N-1000 service replacement or on your next new installation.

* Consult factory when using with C-100-A1 20mA communications, AEP-3/AEP-5 control boards, 10-wire matrix keypads, ABA magnetic stripe readers and inputs 15 and 16.

Benefits:

• Proven track record over the past 20 years of performance for single-door or multiple door applications.

• Next generation NetAXS hybrid control panel provides either Web-based or PC-based access control.

• IT friendly design that provides on-board Ethernet with NetAXS or add-on options for N-1000 and NS2+ installations using existing network wiring.

• Designed to decrease installation time and labor with removable terminal blocks, standard wiring options, simple diagnostics and flexible system architecture.

• When utilizing WIN-PAK the ability to mix and match NetAXS, N-1000 and NS2+ control panels allows updating of existing installations with powerful new features.

Control Panel Solutions |

NETAXS CONTROL PANEL

NetAXS™ is a new hybrid access control panel that lets you program and manage your access control system using either an integrated Web browser or traditional PC-based software. The new hybrid solution provides the best of both worlds and lets you choose the level of security and functionality your business requires, bringing flexibility to access control. NetAXS can be used in-line with most N-1000 and NS2+ control panel installations.

NetAXS offers two different pre-wired configuration choices—each distinguished by simplicity and flexibility:

- Large: incorporates the control panel within a large enclosure that includes the power supply, distributed relay module and battery backup.
- Small: features the control panel and one battery within a small enclosure.

NX4L1
NetAXS Pre-wired 4 Door Hybrid Control Panel

NX4 pre-wired 4 door control panel includes large enclosure with 8 output fused relay board, 24 VDC, 6 A power supply and (2) 12 VDC, 7 A backup batteries, and (4) S-4 surge suppressors. System specifications include fast 32-bit processor with memory capacity for 10,000 card holders; 25,000 buffer capacity; 14 supervised alarm inputs, expandable to 78 inputs; 8 relay outputs (SPDT), expandable to 72 outputs; built-in Ethernet interface with integrated Linux Web server, RS232 and RS485 communication interfaces. Direct 110 VAC power cord. Dimensions: 17.7" W x 23.9" H x 4.2" D (45.0 cm W x 60.7 cm H x 9.0 cm D). Temperature: 35-110°F (2-43°C) operational humidity: 0 to 85% RHNC; UL 294 and CE listed.

NX4S1
NetAXS Small 4 Door Hybrid Control Panel

NetAXS 4 door control panel includes small enclosure with NX4 control panel with 12 V, 7 A battery backup, (4) S-4 surge suppressors and x-4 16.5 VAC plug-in transformer. System specifications include fast 32-bit processor with memory capacity for 10,000 card holders; 25,000 buffer capacity; 14 supervised alarm inputs, expandable to 78 total inputs; 8 relay outputs (SPDT), expandable to 72 total outputs; built-in Ethernet interface with integrated Linux Web server, RS232 and RS485 communication interfaces. 24 VDC @ 2 A or 16.5 VAC @ 2 A. Dimensions: 14.9" W x 18.0" H x 4.4" D (36.8 cm W x 45.7 cm H x 12.0 cm D). Temperature: 35-110°F (2-43°C) operational humidity: 0 to 85% RHNC; UL 294 and CE listed.

Control Panel Solutions | NETAXS™ CONTROL PANEL

ADI Ordering Information

NC-NX4PCB

NX4PCB
NetAXS Control Panel – Board Only
NetAXS Control Panel without Enclosure.
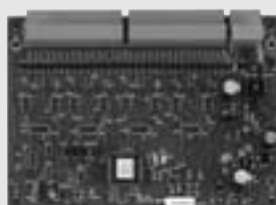
NC-NX4OUT

NX4OUT
NetAXS 16 Output Board
NetAXS 16 Output Relay Board with 16 general purpose output relays, Form-C, 2 A @ 30 VDC and two dedicated alarm inputs for tamper detection and power loss. Up to 4 NX4OUT output boards per NetAXS control panel. Dimensions: 5.5" H x 9.0" W x 1.0" D (139.7 mm H x 228.6 mm W x 25.4 mm D). Power requirements: 12 VDC @ 400 mA.
Note: Requires separate enclosure and power supply.

NC-NX4IN

NX4IN
NetAXS 32 Input Board
NX4IN input module with 32 general purpose inputs with programmable circuit types. Up to 2 NX4IN input panels per NetAXS control panel. Dimensions: 5.5" H x 9.0" W x 1.0" D (139.7 mm H x 228.6 mm W x 25.4 mm D). Power requirements: 12 VDC @ 350 mA.
Note: Requires separate enclosure and power supply.

NC-712BNP

712BNP
12V, 7AH Backup Battery
12V battery for the NetAXS and PRO2200 panels.

Control Panel Solutions |

NX4OP30S

NX4 with Small Enclosure - Standalone Web-based Access 4 Door Kit with OP30HONE

NetAXS Standalone Web Controller Kit with 4 OP30HONE Proximity Readers, small enclosure, NX4 control panel, transformer and 12 VDC, 7 A backup battery.

7 81410 85513 7
NC-NX4OP30S

NX4OP30L

NX4 with Large Enclosure - Standalone Web-based Access 4 Door Kit with OP30HONE

NetAXS Standalone Web Controller Kit with 4 OP30HONE Proximity Readers, large enclosure, NX4 control panel, 8 output fused relay board, 24 VDC, 6 A power supply and (2) 12 VDC, 7 A backup batteries.

7 81410 85515 1
NC-NX40P30L

NX4OP40S

NetAXS with Small Enclosure - Standalone Web-based Access 4 Door Kit with OP40HONE

NetAXS Standalone Web Controller Kit with 4 OP40HONE Proximity Readers, small enclosure, NX4 control panel, transformer and 12 VDC, 7 A backup battery.

7 81410 85514 4
NC-NX4OP40S

NX4OP40L

NetAXS with Large Enclosure - Standalone Web-based Access 4 Door Kit with OP40HONE

NetAXS Standalone Web Controller Kit with 4 OP40HONE Proximity Readers, large enclosure, NX4 control panel, 8 output fused relay board, 24 VDC, 6 A power supply and (2) 12 VDC, 7 A backup batteries.

7 81410 85516 8
NC-NX4OP40L

WPNX4S30

NetAXS with Small Enclosure - Access Control Kit with OP30HONE Readers and WIN-PAK SE Single User Access Control Software

NetAXS Controller Kit with 4 OP30HONE Proximity Readers, small enclosure, NX4 control panel, transformer, 12 VDC, 7 A backup battery and WPSE Software.

7 81410 90110 0
NC-WPNX4S30

WPNX4L30

NetAXS with Large Enclosure - Access Control Kit with OP30HONE Readers and WIN-PAK SE Single User Access Control Software

NetAXS Controller Kit with 4 OP30HONE Proximity Readers, large enclosure, NX4 control panel, 8 output fused relay board, 24 VDC, 6 A power supply, (2) 12 VDC, 7 A backup batteries and WPSE Software.

7 81410 90109 4
NC-WPNX4L30

N-1000 CONTROL PANELS

Versatility, reliability and expandability are the three main features that make the N-1000 one of the most popular access control panels ever. The N-1000's distributed database stores all card, time zone, relay control and alarm point information in its memory.

7 81410 27228 6

NC-N1000IV

N-1000-IV
Intelligent 4 Door Controller
4 reader access control panel. Supports proximity, smart, Wiegand, magnetic stripe, keypad, barcode, vehicle ID and biometric devices. 5,000 code capacity, 10,200 buffer capacity, four relays (DPDT), 16 supervised alarm inputs, 20 mA or RS485 communications (RS485 requires the use of N-485-HUB-2 or N-485-PCI-2 interfaces). Includes 12 V battery backup, detachable terminal blocks, locking enclosure with tamper switch. 12 V 500 mA output for external readers. Requires 16.5 VAC transformer (X-4) or 12 VDC power supply (HPS123) for panel power and one suppressor kit (S-4) per used (active) relay. Current draw is 1.8 A maximum. Use with WIN-PAK software. Dimensions: 14" H x 18" W x 4" D (35.5 cm H x 45.6 cm W x 10.0 cm D). UL 294 and CE listed.

7 81410 27226 2

NC-N1000IVX

ALSO AVAILABLE:
N-1000-IV-X
Expanded Intelligent 4 Door Controller
Same as the N-1000-IV with 8 total relays and expanded memory (25,000 codes and 6,600 buffers).
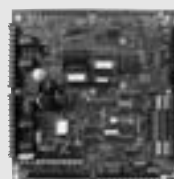
7 81410 26735 0
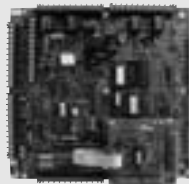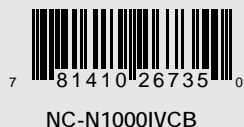
NC-N1000IVCB

N-1000-IV-CB
N-1000-IV Circuit Board Only
Circuit board only. Dimensions: 11" H x 11" W x 1.5" D (27.94 cm H x 27.94 cm W x 3.81 cm D).

7 81410 27218 7
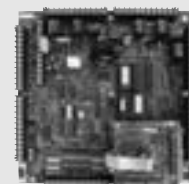
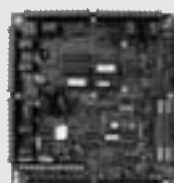NC-N1000IVXC

N-1000-IV-X-CB
N-1000-IV-X Circuit Board Only
Circuit board only. Dimensions: 11" H x 11" W x 1.5" D (27.94 cm H x 27.94 cm W x 3.81 cm D).

Control Panel Solutions | N-1000 CONTROL PANELS

N-1000-III

Intelligent 2 Door Controller
2 reader/keypad access control panel. Supports proximity, smart, Wiegand, magnetic stripe, keypad, barcode, vehicle ID and biometric devices. 5,000 code capacity, 10,200 buffer capacity, 4 relays (DPDT),16 supervised alarm inputs standard, 20 mA or RS485 communications (RS485 requires the use of N-485-HUB-2 or N-485-PCI-2 interfaces). Includes 12 V battery backup, detachable terminal blocks, locking enclosure with tamper switch. 12 V 500 mA output for external readers. Requires 16.5 VAC transformer (X-4) or 12 VDC power supply (HPS123) for panel power and one suppressor kit (S-4) per used (active) relay. Current draw is 1.8 A maximum. Dimensions: 14" H x 18" W x 4" D (35.5 cm H x 45.6 cm W x 10.0cm D). Use with WIN-PAK software. UL 294 and CE listed.

7 81410 27220 0
NC-N1000III

ALSO AVAILABLE:

N-1000-III-X
Expanded Intelligent 2 Door Controller
Same as the N-1000-III with 8 total relays and expanded memory (25,000 codes and 6,600 buffers).

7 81410 27019 0
NC-N1000IIIX

N-1000-III-CB
N-1000-III Circuit Board Only
Circuit board only. Dimensions: 11" H x 11" W x 1.5" D (27.94 cm H x 27.94 cm W x 3.81 cm D).

7 81410 29976 4
NC- N1000IIIC

N-1000-III-X-CB
N-1000-III-X Circuit Board Only
Circuit board only. Dimensions: 11" H x 11" W x 1.5" D (27.94 cm H x 27.94 cm W x 3.81 cm D).
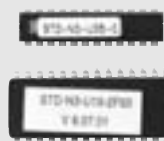
7 81410 29891 0
NC-N10003XCB

UGN1K3807
V8.07.01 N-1000-III/IV Firmware Upgrade
N-1000-III/IV version 8.07.01 firmware upgrade kit. Contains the PROM and PAL chips.

7 81410 48965 3
NC-UGN1K3807

UGN1K2807
V8.07.01 N-1000-II Firmware Upgrade
N-1000-II version 8.07.01 firmware upgrade kit. Contains the PROM and PAL chips.

7 81410 47022 4
NC-UGN1K2807

NC-N1000K4

7 81410 37832 2

NC-N1000K4X

7 81410 37823 0

NC-N1000K3

7 81410 37814 8

NC-N1000K3X

7 81410 37802 5

N1000K4
N-1000-IV Control Panel Kit
Complete N-1000-IV assembly with enclosure (N-1000-IV) transformer (X-4) and four suppressor kits (S-4).

ALSO AVAILABLE:
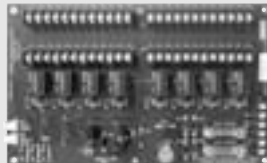## N1000K4X
N-1000-IV-X Control Panel Kit

N1000K3
N-1000-III Control Panel Kit

N1000K3X
N-1000-III-X Control Panel Kit

N-1000 SERIES ACCESSORIES

NC-AEP3

7 81410 27194 4

AEP-3
Expanded Relay Board 8 Outputs DPDT
Auxiliary output board. Provides 8 additional relay outputs to any N-1000 panel with version 5.10 or newer firmware (excluding version 6). Up to two AEP-3 boards per N-1000 panel. Can be mounted on the inside cover of the N-1000 control panel or separately in the ENC-1 enclosure. Contacts are DPDT. Includes interconnecting cable (AEP-3-CBL). Requires separate 12 VAC 20 VA transformer (X-2) or 12 VDC power supply (HPS123, linear @ 500 mA). Current draw is 150 to 325 mA. Dimensions: 6" H x 10" W x 1.75" D, (15.24 cm H x 25.4 cm W x 4.445 cm D). Operating temperature range: 35°-110° F (2°-43°C).

NC-AEP3CBL

7 81410 27265 1

AEP-3-CBL
AEP-3 Interconnecting Cable
Used to connect two AEP-3 relay boards or for use between AEP-3 and N-1000 panel.

NC-ENC3

7 81410 29751 7

ENC-3
Enclosure for N-1000-III
Enclosure for N-1000-III with knockouts, hinged cover and lock and key. Tamper switch provided.

ALSO AVAILABLE:
ENC-4
Enclosure for N-1000-IV

NC-ENC4

7 81410 29752 4

Control Panel Solutions |

ROCKET4
4 Door Access Control Starter Kit
Includes WIN-PAK SE (WPSE), RS485 converter (N-485-PCI-2), 4 door control panel (N-1000-IV-X), four OmniProx proximity readers (OP30HONE), transformer (X-4) and four suppressor kits (S-4).

7 81410 43849 1
NC-ROCKET4

BOOSTER2
2 Door Add-On Kit for Rocket Box
Includes 2 door control panel (N-1000-III), two OmniProx proximity readers (OP30HONE), transformer (X-4) and two suppressor kits (S-4).

7 81410 43851 4
NC-BOOSTER2

BOOSTER4
4 Door Add-On Kit for Rocket Box
Includes 4 door control panel (N-1000-IV-X), four OmniProx proximity readers (OP30HONE), transformer (X-4) and four suppressor kits (S-4).

7 81410 43850 7
NC-BOOSTER4

TSAP
4 Door Total Starter Access Package
The most complete system on the market, all you need to add is wire, locks and cards. This starter kit includes WIN-PAK SE access control software (WPSE), N-1000 control panel with transformer and four surge suppressors (N1000K4). RS45 interface (N-485-PCI-2), four OmniProx HID compatible mullion mount readers (OP30HONE), 12 VDC power supply (HPS123), four request-to-exit devices (IS310WH) and four door contacts (7939WH).

7 81410 68631 1
NC-TSAP

TEAP2
2 Door Total Expansion Package
2-door expansion kit for the total starter package. This expansion kit includes an N-1000 control panel with transformer and two surge suppressors (N1000K3), two OmniProx HID compatible mullion mount readers (OP30HONE), 12 VDC power supply (HPS123), two request-to-exit devices (IS310WH) and two door contacts (7939WH).

7 81410 68633 5
NC-TEAP2

TEAP4
4 Door Total Expansion Package
4 door expansion kit for the total starter package. This expansion kit includes N-1000 control panel with transformer and four surge suppressors (N1000K4), four OmniProx HID compatible mullion mount readers (OP30HONE), 12 VDC power supply (HPS123), four request-to-exit devices (IS310WH) and four door contacts (7939WH).

7 81410 68632 8
NC-TEAP4

NS2+ CONTROL PANEL

The NS2+ is an intelligent 2 door controller with the feature set and processing power comparable to many advanced controllers yet it's user-friendly, installs quickly and is highly economical for entry to mid-level solutions. The NS2+ boasts a 32-bit processor and memory capacity to simultaneously support 10,000 cardholders and 100,000 transactions. With an optional on-board TCP/IP interface, the NS2+ is capable of meeting the growing demand for Ethernet-based solutions.

7 81410 74826 2
NC-NS2P

NS2P
NS2+ Intelligent 2 Door Controller
2 reader/keypad access control panel. 10,000 card capacity, 100,000 buffer capacity, four relays (SPDT) 12 A @ 28 VDC, 8 supervised alarm inputs, RS485 communications or TCP/IP interface module (optional). Requires WIN-PAK SE, WIN-PAK PE, WIN-PAK PRO 2005 or WIN-PAK PRO Central Station. Includes locking enclosure with tamper switch, transformer (X-4) and two surge suppressors (S-4). 600 mA @ 12 VDC output for readers and auxillary devices. Current draw: 1.25 A maximum. Dimensions: 14.5" H x 12.5" W x 3.5" D (36.33 cm H x 31.75 cm W x 8.89 cm D).

7 81410 77211 3
NC-NS2UPG1

NS2UPG1
NS2+ Upgrade Kit
Upgrade from NS2 to NS2+ control panel.

7 81410 55100 8
NC-NSLAN1

NSLAN1
Ethernet Adapter for NS2+
The NSLAN1 is a TCP/IP (10Base-T) interface that mounts directly on the NS2+ and requires no external devices or wiring and receives power from the NS2+. Simply use the standard RJ45 jack to connect via CAT5 to the existing LAN/WAN network. Use one NSLAN1 for each NS2+. Transmit, receive and good link diagnostic TCP/IP status indicators. Dimensions: 1.57" H x 1.93" W x 1.0" D (40.0 mm H x 49.0 mm W x 25.4 mm D).

7 81410 48198 5
NC-CBL50

CBL50
RJ45 to DB9F Serial Cable for NS2+ Control Panel
50' RJ45 to DB9F serial cable for use with the NS2+ control panel.

7 81410 27195 1
NC-BAT3

BAT-3
12V, 4AH Backup Battery
12V battery for the N-1000-III, N-1000-IV, NS2 and NS2+ panels.

7 81410 50889 7
NC-NS2ACC

NS2ACC
NS2/NS2+ Accessory Kit
Includes cabinet lock and key, terminating resistors, LED, battery leads, S-4 surge suppressors, panel tamper and grounding block.

Control Panel Solutions | NS2+ KITS

63

NS2+ KITS

ROCKET2P
ROCKET2P 2 Door Starter Kit with OP30 Readers
2 Door Starter Kit includes WIN-PAK SE Software, NS2+ Control Panel,
(2) OP30HONE OmniProx Proximity Readers, Transformer, RS485
Interface and Accessories.

ADI Ordering Information

7 81410 83800 0

NC-ROCKET2P

BOOSTER2P
2 Door Expansion Kit with OP30 Readers
2 Door Expansion Kit includes NS2+ Control Panel, (2) OP30HONE
OmniProx Proximity Readers, Transformer and Accessories.

7 81410 46730 9

NC-BOOSTER2P

Honeywell   63

Notes

Standalone Systems

Honeywell's standalone solutions provide an opportunity for dealers to offer access control for single door applications. And when the need arises these single-door/standalone solutions can be expanded to include additional readers or migrate to a full-fledged access control system.

THIS SECTION INCLUDES:

NS1

EntryProx

Standalone Systems

Based on our experience, we know that customers that start with one door eventually add more doors to an installation. With Honeywell's standalone solutions users can start small and expand as their needs grow. The NS1 is a complete standalone controller that can be expanded to eight doors. The EntryProx is a single door solution that is also simple to install. Both solutions can easily migrate to a full-featured system.

Benefits:

• Multiple programming options, keypad, programming cards or PC-based software (NS1).

• Wiegand output allows both systems to communicate to a full Honeywell access control system.

• Indoor or outdoor options provide ideal applications for gates, vestibules, small retail, storage lockers, and more.

• Complete audit trail and reporting options provide full system functionality at a fraction of the price.

• The NS1 can expand to up to eight readers connected through PC software.

• Tamper resistant option provides input to a sounder or alarm.

• Flexible options for users wanting cards or key tags.

NS1

The NS1 offers a variety of options unparalleled in an entry-level product. Its small size, combined with powerful functions and programming capabilities, makes the NS1 ideal for small entry-level applications with a single door or up to eight doors of access control. Within the flexibility of the NS1, it is also capable of migrating to other control panels as a functional proximity reader.

Features:
- 5,000 tag memory
- 2,300 event storage
- Real-time clock with two access levels
- 3 colored bezels included
- 3-5" read range
- PC-based software option

ADI Ordering Information

NS1
Integrated Single Door Proximity Reader/Controller
The NS1 is an integrated proximity reader and door controller designed to operate in standalone or in a network mode. Supports EM format cards (NS1CARD). Requires 12 VDC @ 40 mA nominal voltage power supply (NS1PS). Dimensions: 3.25" H x 1.89" W x .96" D (82.5 mm H x 48 mm W x 24.5 mm D). Operating temperature: 5° - 158° F (-15° - 70° C). Humidity: max 100%. Completely sealed for outdoor applications.

7 81410 65103 6
NC-NS1
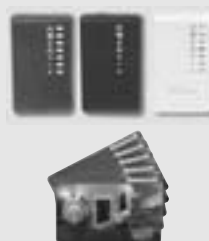
NS1EM1
NS1 with 10 Proximity Cards and Program Master Cards
Complete kit containing the NS1 controller, 10 EM format cards (NS1CARD) and Program Master cards. Power supply (NS1PS) not included.

7 81410 65104 3
NC-NS1EM1
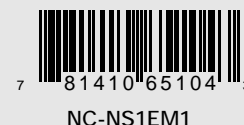
NS1EM2
NS1 with 10 Proximity Key Tags and Program Master Cards
Complete kit containing the NS1 controller, 10 EM format key tags (NS1TAG) and Program Master cards. Power supply (NS1PS) not included.

7 81410 65105 0
NC-NS1EM2
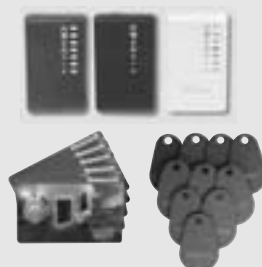
NS1EM3
NS1 with PC Manage Software, 485 Connection Unit & Cable
The NS1EM3 kit contains the NS1 controller, USB to RS485 converter and cable along with the NS1 Manage software for programming and monitoring via a Windows-based PC. Network up to 8 units when connected to NS1 Manage software. 485 connection interface unit (NS1CU) is required for each additional NS1. Supports Microsoft Windows 2000, XP and Vista. Requires 12 VDC @ 40 mA nominal voltage power supply (NS1PS).

7 81410 65106 7
NC-NS1EM3
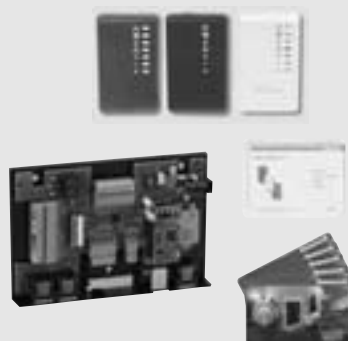
Standalone Systems | NS1

ADI Ordering Information

7 81410 65116 6

NC-NS1PRG

NS1PRG
Wireless RF NS1 Programmer
The NS1PRG remote programmer is a wireless programming keypad for the NS1 or N-300. All system configuration and settings can be made with the NS1PRG. The programmer utilizes a passive RF design and does not require batteries. Dimensions: 3.5" H x 2.17" W x .5" D (90 mm H x 55 mm W x 14 mm D).

7 81410 65113 5

NC-NS1CARD

NS1CARD
10 Pack of PVC Printable Proximity Cards for the NS1
Pack of 10 EM format PVC printable cards for the NS1 or N-300.

7 81410 65115 9

NC-NS1PC25

NS1PC25
25 Pack of PVC Printable Proximity Cards for the NS1
Pack of 25 EM format PVC printable cards for the NS1 or N-300.

7 81410 67761 6

NC-NS1TAG

NS1TAG
10 Pack Proximity Key Tags for the NS1
Pack of 10 EM format key tags for the NS1 or N-300.

7 81410 65112 8

NC-NS1CU

NS1CU
NS1 485 Connection Interface Unit
The NS1CU connection interface unit provides an interface from the NS1 reader to a PC for programming and monitoring utilizing the NS1 Manage software. The connection unit makes installation easy by providing an interface for NS1 communication, door lock (2 A @ 30 VDC relay), door status contact and REX. Communication is RS232 from PC to NS1CU with a standard DB9 connection. Dimensions: 3.88" H x 4.63" W x 1.75" D (98 mm H x 118 mm W x 45 mm D). Power requirements: 12 VDC @ 400 mA.

NS1 KITS

7 81410 83955 7

NC-NS1K1

NS1K1
Single Door Starter Kit with RS485 Interface – 10 Cards
Single Door Starter Kit with RS485 Expansion up to 8 Doors includes NS1 Single Door Controller with HID reader, 100 ft. USB Extender, 12 VDC, 4 A Power Supply, HP4OOULM Battery Backup, 200 ft. Power Cable, PC Software, RS485 Communications Interface and 10 Pack Proximity Cards.

7 81410 84190 1

NC-NS1K2

NS1K2
NS1 Single Door Starter Kit with RS485 Interface - 10 Tags
Single Door Starter Kit with RS485 Expansion up to 8 Doors includes NS1 Single Door Controller with HID reader, 100 ft. USB Extender, 12 VDC, 4 A Power Supply, HP4OOULM Battery Backup, 200 ft. Power Cable, PC Software, RS485 Communications Interface and 10 Pack Key Tags.

Standalone Systems | NS1 KITS / NS1 ACCESSORIES

NS1K3
NS1 Single Door Add-On Kit
NS1 Single Door Controller Add-On to NS1K1 and NS1K2. Kit includes NS1 Single Door Controller, RS485 Communications Interface, 200 ft. Communications Cable and 200 ft. Power Cable.

7 81410 84191 8

NC-NS1K3

NS1 ACCESSORIES

NS1ANT
NS1 Remote Antenna
The NS1ANT remote antenna is developed for tamper-sensitive environments. The NS1 can be mounted inside the building and the antenna on the outside wall surface, the remote antenna is used to transfer the signal to the NS1. Max distance: 9.8' (3m). Dimensions: 4.65" H x 3.3" W x .75" D (118 mm H x 84 mm W x 19 mm D).

7 81410 65111 1
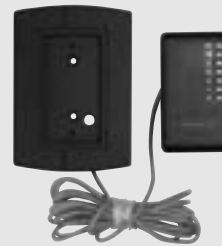
NC-NS1ANT

NS1MASTER
Master Programming Cards (Program, Add, Void and Lock)
Master Programming cards for programming basic system configuration, adding and deleting cards and performing the Night Lock function.

7 81410 65114 2

NC-NS1MASTER

NS1RE
NS1 Read Range Extender
NS1 read range extender provides an additional read range up to 18". Power requirements: 12 VDC @ 300 mA. Dimensions: 10.95" H x 10.4" W x 1.46" D (27.8 cm H x 26.4 cm W x 3.7 cm D).

7 81410 65117 3

NC-NS1RE

NS1SGM
NS1 Single Gang Mounting Adapter
The NS1SGM is used to mount the NS1 to a single gang electrical box (wall switch, US). Contains a black adapter to house the NS1, metal mounting bracket and screws.

7 81410 65118 0
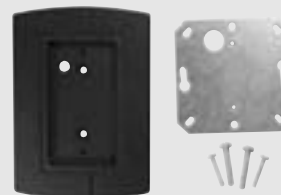
NC-NS1SGM

NS1TOOL
NS1 Security Tool/Bezel Opener
NS1 security tool used to remove the bezel from the NS1.

7 81410 65121 0

NC-NS1TOOL

NS1PS
NS1 Power Supply
NS1 power supply rated at 750 mA @ 12 VDC. Includes 4 AH battery backup, transformer and enclosure. Dimensions: 8.5" H x 7.5" W x 3.5" D (21.59 cm H x 19.05 cm W x 8.89 cm D).

7 81410 69157 5

NC-NS1PS

ENTRYPROX

EntryProx provides single-door proximity access control for up to 2,000 users. It is ideal for standalone installations, remote locations or when used in conjunction with an on-line system. EntryProx can easily be switched to Wiegand output mode and connected to any Honeywell or OEM controller. This standalone reader is compatible with all 26-bit HID proximity cards or keytags. It can also enroll most OEM or Corporate 1000 format cards and keytags up to 37-bit.

ADI Ordering Information

7 81410 34118 0

NC-ENTRYPROX

ENTRY-PROX
Standalone Proximity Controller
Dimensions: 5.25" H x 2.75" W x 1.38" D (13.33 cm H x 6.98 cm W x 3.49 cm D). Power supply: 10-15 VDC, 150 mA @ 12 VDC.

7 81410 34147 0

NC-ENPROXKIT

ENPROX-KIT1
Standalone Proximity Controller with 10 HID 26-Bit Cards
EntryProx with ten HID cards (26-bit).

7 81410 34146 3

NC-ENPROXK2

ENPROX-KIT2
Standalone Proximity Controller with 10 HID 26-Bit Key Tags
EntryProx with ten HID key tags (26-bit).

ENPROX-KIT3
ENPROX-KIT1 with Cards, Magnetic Lock, Power Supply and PIR
EntryProx with 10 HID cards (26-bit), magnetic lock (ML8011-LC-US28), two power supplies (HPS123, 12 VDC @ 3 A), passive infrared motion detector (NCIPIR) and two surge suppressors (S-4).

7 81410 34503 4
NC-ENPROXKT3

ENPROX-KIT4
ENPROX-KIT1 with Cards, Door Strike and Power Supply
EntryProx with 10 HID cards (26-bit), door strike (NS5100), two power supplies (HPS123, 12 VDC @ 3 A) and two surge suppressors (S-4).

7 81410 34504 1
NC-ENPROXKT4

ENPROX-KIT5
ENPROX-KIT2 with Key Tags, Magnetic Lock, Power Supply & PIR
EntryProx with 10 HID key tags (26-bit), magnetic lock (ML8011-LC-US28), two power supplies (HPS123, 12 VDC @ 3 A), passive infrared motion detector (NCIPIR) and two surge suppressors (S-4).

7 81410 34505 8
NC-ENPROXKT5

ENPROX-KIT6
ENPROX-KIT2 with Key Tags, Door Strike & Power Supply
EntryProx with 10 key tags (26-bit), door strike (NS5100), two power supplies (HPS123, 12 VDC @ 3 A) and two surge suppressors (S-4).

7 81410 34507 2
NC-ENPROXKT6

7 81410 38282 4

NC-ENPROXKT7

ENPROX-KIT7
ENPROX-KIT2 with Key Tags,
Power Supplies & Surge Suppressors
ENPROX-KIT2 with two power supplies
(HPS123, 12 VDC @ 3 A) and two surge
suppressors (S-4).

7 81410 38283 1

NC-ENPROXKT8

ENPROX-KIT8
ENPROX-KIT1 with Cards,
Power Supplies & Surge Suppressors
ENPROX-KIT1 with two power supplies
(HPS123, 12 VDC @ 3 A) and two surge
suppressors (S-4).

7 81410 34263 7

NC-ENPROXPRN

ENPROX-PRN
ENPROX Infrared Handheld Printer
IR handheld printer used for printing transactions from the EntryProx.

7 81410 34264 4
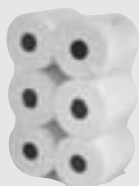
NC-ENPROXPP

ENPROX-PP
ENPROX Handheld Printer Paper
Paper used with the handheld printer (ENPROX-PRN).

7 81410 34265 1

NC-ENPROXST

ENPROX-ST
ENPROX Security Tool

Badging Systems

Offer a complete access control system using photo identification badges. Photo IDs provide additional security for your facility by allowing other employees to visually validate the cardholder. Additional security is provided when the cardholder's image is brought up on the security monitor providing instant verification when the card is not visible.

A full line of badging accessories provide the finishing touches to your badging applications. Accessories include card punches, lanyards, chains, clips and more.

THIS SECTION INCLUDES:

Badging Printers

Add-on Kits

Supplies

Card Accessories

RIO 2e™ / TANGO 2e™ PRINTERS

Whether your badging needs demand production of hundreds of badges a day or just a few, the Rio 2e™ and Tango 2e™ printers provide a combination of ease of use and reliability to meet your demands. The Rio 2e printer provides simplex (one-sided) card printing while the Tango 2e provides duplex (two-sided) card printing and lamination. The built in HoloKote™ security watermark feature comes standard with both printers.

Features:
- Edge-to-edge printing
- 20 second print time (40 seconds for color duplex)
- LCD display
- 100 card hopper

- USB and parallel cables included
- 3-year warranty with loaner
- USB, Ethernet and parallel interfaces

UE-M9006749
7 81410 76610 5

UE-M9006751
7 81410 76611 2

M9006-749
Rio 2e Simplex PVC Color Badging Printer
Rio 2e photo ID badge printer for single side print applications. Weight: 15.8 lbs (7.2 kg). Dimensions: 9.15" H x 7.6" W x 14.55" D (23.25 cm H x 19.35 cm W x 36.95 cm D).

ALSO AVAILABLE:
M9006-751
Rio 2e Simplex PVC Color Badging Printer with Magnetic Stripe Encoder

UE-M9006745
7 81410 76609 9

M9006-745
Tango 2e Duplex PVC Color Badging Printer
Tango 2e photo ID badge printer for two-sided print applications. Weight: 18.3 lbs (8.3 kg). Dimensions: 9.15" H x 7.6" W x 18.58" D (23.25 cm H x 19.35 cm W x 47.11cm D).

UE-M9006747
7 81410 76612 9
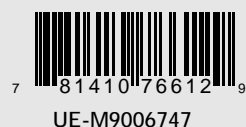
M9006-747
Tango 2e Duplex PVC Color Badging Printer with Magnetic Stripe Encoder
Tango 2e photo ID badge printer for two-sided print and magnetic stripe encoding applications. The magnetic stripe encoder is a dual coercivity magnetic stripe encoder which offers encoding of all three tracks. Weight: 18.3 lbs (8.3 kg). Dimensions: 9.15" H x 7.6" W x 18.58" D (23.25 cm H x 19.35 cm W x 47.11 cm D).

UE-M9007125E
7 81410 82757 8

M9007-125E
Tango +L Duplex Printer with Built-In Laminator
The Tango +L is a duplex printer that provides additional laminate protection to the card surface. The single unit design allows simple configuration. 113V operation. Weight: 44 lbs (20 kg). Dimensions: 10" H x 12" W x 27.5" D (26 cm H x 30 cm W x 70 cm D).

See matrix charts for printer supplies and legacy part number cross reference on pages 80 and 85.

Badging Systems | RIO 2e™/TANGO 2e™ PRINTERS

M9007-257E
Tango +L Duplex Printer with Built in Laminator and Chip Encoder
Duplex printer with smart chip encoder providing additional laminate protection to the card surface and approved for FIPS 201 applications. Single unit design allows simple configuration. 115V operation. Weight: 44 lbs (20 kg). Dimensions: 10" H x 12" W x 27.5" D (26 cm H x 30 cm W x 70 cm D).

7 81410 85158 0
NC-M9007257E

RIO 2e/TANGO 2e ADD-ON BADGING KITS

PB35KT
Rio 2e Add-On Simplex Badging Kit
Photo ID badging kit. Includes Rio 2e simplex badging printer (M9006-749), color ribbon, camera, tripod, lighting kit and 25 blank cards. Video capture card required for NStar, WIN-PAK 2.0 and WIN-PAK PRO systems (PBVC15). No video capture card is required when used with WIN-PAK SE, WIN-PAK PE, WIN-PAK 2005 or WIN-PAK PRO 2005. Not intended for installation on a file server OS.

7 81410 46250 2
NC-PB35KT

PB35MOKT
Rio 2e Add-On Simplex and Magnetic Stripe Badging Kit
Photo ID badging kit. Includes Rio 2e simplex badging printer with magnetic stripe encoder (M9006-751), color ribbon, camera, tripod, lighting kit and 25 blank cards. Video capture card required for NStar, WIN-PAK 2.0 and WIN-PAK PRO systems (PBVC15). No video capture card is required when used with WIN-PAK SE, WIN-PAK PE, WIN-PAK 2005 or WIN-PAK PRO 2005. Not intended for installation on a file server OS.

7 81410 46255 7
NC-PB35MOKT

PB35DOKT
Tango 2e Add-On Duplex Badging Kit
Photo ID badging kit. Includes Tango 2e duplex badging printer (M9006-745), color ribbon, camera, tripod, lighting kit and 25 blank cards. Video capture card required for NStar, WIN-PAK 2.0 and WIN-PAK PRO systems (PBVC15). No video capture card is required when used with WIN-PAK SE, WIN-PAK PE, WIN-PAK 2005 or WIN-PAK PRO 2005. Not intended for installation on a file server OS.

7 81410 46252 6
NC-PB35DOKT

PB35DMKT
Tango 2e Add-On Duplex and Magnetic Stripe Encoder Badging Kit
Photo ID badging kit. Includes Tango 2e duplex badging printer with magnetic stripe encoder (M9006-747), color ribbon, camera, tripod, lighting kit and 25 blank cards. Video capture card required for NStar, WIN-PAK 2.0 and WIN-PAK PRO systems (PBVC15). No video capture card is required when used with WIN-PAK SE, WIN-PAK PE, WIN-PAK 2005 or WIN-PAK PRO 2005. Not intended for installation on a file server OS.

7 81410 46251 9
NC-PB35DMKT

PRIMA™ PRINTERS

The reverse-transfer PRIMA 3 is ideal for producing top quality, durable cards. The quality of the finished card is similar to that achieved by off-set litho printing, but with the advantage that every card can be different. All PRIMA printers weigh 48.5 lbs. (22 kg) and measure 15.0" H x 13.4" W x 13.4" D (28.1 cm H x 34.0 cm W x 34.0 cm D).

Features:
- Prints 40 seconds/side color
- 300 card hopper
- 1000 – print YMCK ribbon
- 1000 – print retransfer film
- 3-year hot swap warranty (US & Canada)
- Interface: USB or Ethernet

ADI Ordering Information

7 81410 90661 7
UE-PRIMA138E

7 81410 90663 1
UE-PRIMA139E

PRIMA138E
PRIMA 3 Reverse Transfer Duplex PVC Color Badging Printer
PRIMA 3 reverse transfer, single sided photo ID badge printer. Color ribbon plus retransfer ribbon are used together.

PRIMA139E
PRIMA 3 Reverse Transfer PVC Color Badging Printer with Magnetic Stripe Encoder
PRIMA 3 reverse transfer, single sided photo ID badge printer with magnetic stripe encoder. Color ribbon plus retransfer ribbon are used together.

7 81410 90632 7
UE-PRIMA140E

7 81410 90664 8
UE-PRIMA141E

PRIMA140E
PRIMA 3 Reverse Transfer Duplex PVC Color Badging Printer
PRIMA 3 reverse transfer, two sided photo ID badge printer. Color ribbon plus retransfer ribbon are used together.

PRIMA141E
PRIMA 3 Reverse Transfer Duplex PVC Color Badging Printer with Magnetic Stripe Encoder
PRIMA 3 reverse transfer, two sided photo ID badge printer with magnetic stripe encoder. Color ribbon plus retransfer ribbon are used together. The magnetic stripe encoder is a dual coercivity magnetic stripe encoder.

7 81410 81807 1
UE-PRIMA106R

PRIMA106R
PRIMA Contact Chip Controller Kit

7 81410 90665 5
UE-PRIMA064E

PRIMA064E
PRIMA Inline Single Side Lamination Unit

7 81410 90666 2
UE-PRIMA154E

PRIMA154E
PRIMA Laminator Turn Over Unit
Connected to a single PRIMA064E, the PRIMA154E can flip the card over and push it back into the PRIMA154E to laminate the second side.

MC200 PRINTERS

When all you need is a standalone badging for small to medium size applications, the MC200 is just the right solution. The MC200 provides the convenience of an auto feed printer for larger printing jobs and can be easily upgraded in a matter of seconds to provide duplex printing. The built-in HoloKote™ security watermark feature provides a choice of four watermark designs.

Features:
- 1-year warranty with loaner
- Edge-to-edge printing
- LCD display

3633-0003
Light-Medium Duty Auto Feed Card Printer
MC200 photo ID badge printer for single side print applications.
Weight: 12 lbs (5.5 kg). Power Supply: 100-240V 50-60 Hz.
Dimensions: 17.8" L x 8.1" W x 9.2" H (453 mm L x 206 mm W x 233 mm H) including hopper and stacker. Environment 50°F to 85°F (0°C to 30°C).

7 81410 90722 5
UE-36330003

MC200 SUPPLIES AND ACCESSORIES

3633-130
YMCKO 5 panel dye film for 300 images

7 81410 90740 9
UE-3633130

3633-137
YMCKOK 6 panel dye film for 250 cards
YMCKOK 6 panel dye film for 250 double sided prints (1 side color; 1 side resin black)

7 81410 90741 6
UE-3633137

3633-0053
Cleaning Kit with 10 Cards and 1 Pen

7 81410 90723 2
UE-36330053

3633-0054
Cleaning Roller and Sleeves
Kit includes 1 cleaning roller and 5 sleeves.

7 81410 90724 9
UE-36330054

3633-0052
Drop-in duplex upgrade
Upgrades the MC200 to two-sided (duplex) printing. Order once and the appropriate ribbon: 3633-130 for two-sided color 150 cards (300 prints); 3633-137 for 250 cards with one side color and the second side resin black.

7 81410 90725 6
UE-36330052

ALTO™ PRINTERS

For small applications the Alto™ printer provides quality badge printing at an affordable price. Cards are conveniently stored in a dispenser allowing only one card to be hand fed at a time. Flip the card over and print on the other side and save the cost of a more expensive duplex printer. The built in HoloKote™ security watermark feature comes standard.

Features:
- Edge-to-edge printing
- 30 second print time
- USB cable included
- 3-year warranty with loaner

7 81410 67843 9

UE-M9006380

M9006-380
Alto Printer
Alto™ photo ID badge printer for single side print applications.
Weight: 7 lbs (3.2 kg). Dimensions: 7.8" H x 6.9" W x 8.3" D (20.0 cm H x 17.5 cm W x 21.1 cm D).

7 81410 67844 6

UE-M9006381

M9006-381
Alto Printer with Magnetic Encoder
Alto photo ID badge printer for single side print and magnetic stripe encoding applications. The magnetic stripe encoder is high coercivity for track 1 and track 2 encoding only. Weight: 7 lbs (3.2 kg). Dimensions: 7.8" H x 6.9" W x 8.3" D (20.0 cm H x 17.5 cm W x 21.1 cm D).

Badging Systems | SUPPLY MATRIX FOR ACTIVE PRINTERS

SUPPLIES			ACTIVE PRINTERS			
			Rio 2e™ M9006-749 M9006-751	Tango 2e™ M9006-745 M9006-747	Tango + L M9007125E M9007257E	PRIMA 2e PRIMA138E PRIMA139E PRIMA140E PRIMA141E PRIMA064E
New P/N	Old P/N	Description				
M9005-751	PBVP35CR1	Ribbon for Rio/Rio 2/Tango/Tango 2 Series YMCKO 350 Print, One or Two Sided Color	✓	✓	✓	
M9005-753	PBVP35CR3	Resin Black Ribbon for Rio/Rio 2	✓	✓	✓	
M9005-756	PBVP35CR4	Composite Black with Overcoat for Rio/Rio 2	✓	✓	✓	
M9005-758	PBVP35CR2	Ribbon for Tango/Tango 2, YMCKOK, 300 Print, One Side Color/One Side Resin Black		✓	✓	
M9006-862		HoloKote™ Custom Logo Set Up and Key for Rio 2/Tango 2	✓	✓	✓	
M9006-863		HoloKote Custom Logo Set Up and Locking Key for Rio 2/Tango 2	✓	✓	✓	
M9006-865		HoloKote Key for Rio 2/Tango 2	✓	✓	✓	
N9005-761MED	PBVP35CKM	Cleaning Kit for Rio/Rio 2/Tango/Tango 2 Series Printers	✓	✓	✓	
M9007231R		.6 mil clear Patch Laminate Roll (255 patches per roll)			✓	
PRIMA/005		Cleaning Kit for PRIMA Series Printers				✓
M9007-232/R		.6 mil Clear Patch Laminate with Smart Chip Cut Out Roll (255 patches per roll)			✓	
PRIMA/153		Retransfer Ribbon for the PRIMA 3 Series Printers				✓
PRIMA/111		Ribbon for PRIMA Series, YMCK, 1000 Prints One Side Color and One Side Resin Black				✓
PRIMA/112		Ribbon for PRIMA Series, YMCK, 750 Prints One Side Color and One Side Resin Black				✓
PRIMA/066		0.5 mil Clear Patch Laminate for PRIMA Series, 550 patches				✓

Badging Systems | SUPPLY MATRIX FOR ACTIVE PRINTERS

SUPPLIES			ACTIVE PRINTERS		
			MC200	Alto™ PBVP43 M9006-380	Alto™-M PBVP43MO M9006-381
New P/N	Old P/N	Description			
3633-130		YMCKO 5 panel dye film for 300 images	✓		
3633-137		YMCKOK 6 panel dye film for 250 cards	✓		
3633-0053		Cleaning Kit with 10 Cards and 1 Pen	✓		
3633-0054		Cleaning Roller and Sleeves	✓		
3633-0052		Drop-in duplex upgrade	✓		
CK1	PBVP43CK	Alto Cleaning Kit		✓	✓
HK1	PBVP43HKS	HoloKote RFID Custom Key and Set Up		✓	✓
PC1	PBVP43PC	50 PVC Blank Cards in Dispenser		✓	✓
PC2	PBVP43MC	50 HiCo Blank Cards in Dispenser for Use with Monochrome Film			✓
PC3	PBVP43HC	50 HoloPatch™ Cards in Dispenser for Use with Monochrome Film		✓	✓
PC4	PBVP43MHC	50 HiCo HoloPatch Blank Cards in Dispenser for Use with Monochrome Film			✓
PCF10	PBVP43SBCF	100 15mil Adhesive Back PVC Cards in Dispenser Plus 100 Print PF1 Cassette - YMCKO		✓	✓
PCF6	PBVP43PCF	100 PVC Cards in Dispensers Plus 100 Print PF2 Cassette YMCKO		✓	✓
PCF7	PBVP43MCF	100 HiCo Cards in Dispensers Plus 100 Print PF2 Cassette YMCKO			✓
PCF8	PBVP43HCF	100 HoloPatch Cards in Dispensers Plus 100 Print PF2 Cassette YMCKO		✓	✓
PCF9	PBVP43HMCF	100 HiCo HoloPatch Cards in Dispensers Plus 100 Print PF2 Cassette YMCKO			✓
PCX	PBVP43ED	Alto Ready-to-Fill Card Dispenser		✓	✓
PCX-PF2	PBVP43EDF	Alto YMCKO Color Ribbon and 2 Ready-to-Fill Card Dispensers		✓	✓
PF3	PBVP43RBF	500 Print Black Resin Cassette Dye Film		✓	✓
PRIMA/007		Retransfer Ribbon for PRIMA Series, 1,000 Prints			✓

ADI Ordering Information

M9005-751
Ribbon, Simplex or Duplex Print for Rio/Rio 2e and Tango/Tango 2e/Tango +L Printers
Provides 300 simplex or 175 duplex prints. Color ribbon for Rio/Rio 2e and Tango/Tango 2e/Tango +L printers. Provides full color with resin black and overcoat (YMCKOK). Resin black provides carbon content for infrared bar code readers and crisp black for text.

7 81410 48259 3
UE-M9005751

M9005-758
One-Side Color/One-Side Resin Black for Tango/Tango 2e/Tango +L Printers
Provides 300 duplex prints. Color ribbon for Tango/Tango 2e/Tango +L two-sided series printers. One side full color print with resin black and overcoat and second side with resin black only (YMCKOK). Resin black provides carbon content for infrared bar code readers and crisp black for text.

7 81410 48275 3
UE-M9005758

M9005-753
Resin Black Ribbon for Rio/Rio 2e and Tango/Tango 2e/Tango +L Printers
Provides 1,000 prints. Resin black provides carbon content for infrared bar code readers and a crisp black for text.

7 81410 48262 3
UE-M9005753
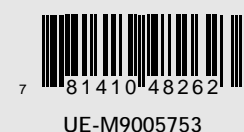
M9005-756
Resin Black with Overcoat for Rio/Rio 2e and Tango/Tango 2e/Tango +L Printers
Provides 600 prints. Resin black provides carbon content for infrared bar code readers and a crisp black for text.

7 81410 48274 6
UE-M9005756

N9005-761MED
Cleaning Kit for Rio/Rio 2e and Tango/Tango 2e Printers
Cleaning kit for Rio/Rio 2e and Tango/Tango 2e printers. Contains ten cleaning cards, two cleaning pens and three cleaning rollers. Cleaning should be performed between each ribbon replacement or 300 prints for Tango +L. Under typical conditions one N9005-761MED should be ordered for every ten ribbons ordered.

7 81410 48436 8
UE-N9005761MED
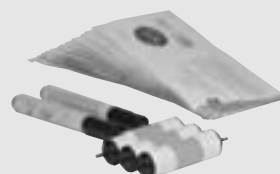
M9006-862
HoloKote™ Custom Logo Set Up and Key for Rio 2e/Tango 2e Printers
HoloKote™ Custom Key™ for the Rio 2e or Tango 2e provides a removable key for higher security against unauthorized card production. Either USB or parallel printer port can be used for connection to the computer.

7 81410 76861 1
UE-M9006862

ALSO AVAILABLE:
M9006-863
HoloKote Custom Logo Set Up and Key with Locking Capability for Rio 2e/Tango 2e Printers

7 81410 76862 8
UE-M9006863

M9006-865
Duplicate HoloKote Key for Rio 2e/Tango 2e Printers
Duplicate HoloKote™ Custom Key™ only for the Rio 2e/Tango 2e. Requires that a M9006-862 has already been made.

7 81410 76863 5
UE-M9006865

See matrix charts for printer supplies and Legacy part number cross reference on pages 79, 80 and 85.

ADI Ordering Information

7 81410 82758 5
UE-M9007231R

7 81410 82756 1
UE-M9007230R
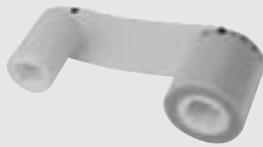
M9007231R
Clear laminate for Tango +L
. 0.6 mil clear patch laminate roll-255 patches per roll.

M9007-230R
Clear laminate for Tango +L
1.0 mil clear patch laminate roll-255 patches per roll.

7 81410 85568 7
UE-M9007232R

M9007-232R
Clear laminate for Tango +L with Chip Cut Out
0.6 mil clear patch laminate roll with chip cut out. 255 patches.

7 81410 82206 1
UE-M9006735

M9006-735
Feed Hopper for Rio 2e/Tango 2e

7 81410 82207 8
UE-M9006736

M9006-736
Collector Hopper for Rio2e/Tango

7 81410 48498 6
UE-PRIMA007

PRIMA/007
PRIMA 2e Retransfer Ribbon
Retransfer ribbon provides for up to 1,000 prints (500 two sided cards). Use with PRIMA 2e Series printers.

7 81410 90726 3
UE-PRIMA153R

PRIMA153R
PRIMA 3 Retransfer Ribbon
Retransfer ribbon provides for up to 1,000 prints (500 two sided cards). Use with PRIMA 3 series printers.

7 81410 71669 8
UE-PRIMA005

PRIMA/005
Cleaning Kit for PRIMA Series Printers
Cleaning kit for PRIMA Series printers consists of 10 pads and 10 cards. Suggested cleaning frequency is about once for every 300 cards printed.

7 81410 80858 4
UE-PRIMA111
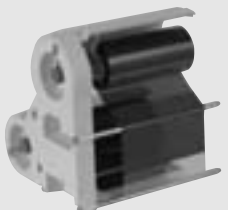
PRIMA/111
Color Ribbon for the PRIMA Series Printers
Provides 1,000 (500 two sided) color prints (YMCK). Use with PRIMA Series printer.

7 81410 80859 1
UE-PRIMA112

PRIMA/112
Color Ribbon for the PRIMA Series Printers
Print up to 750 cards - one side full color print with resin black and second side with resin black only (YMCKK). Resin black provides carbon content for infrared bar code readers and crisp black for text. Use with PRIMA Series printer.

7 81410 81797 5
UE-PRIMA066
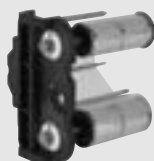
PRIMA/066
Clear Patch Laminate
Provides 550 laminate patches, 0.5 mil thick for use with the PRIMA064R inline laminator.

CK1
Alto™ Cleaning Kit
Cleaning kit for Alto printers. Cleaning kit contains five cleaning cards and one cleaning pen. Cleaning should be performed between each ribbon replacement. Under typical conditions one CK1 should be ordered for every five ribbons ordered.

7 81410 67857 6
UE-CK1

PCX
Alto Ready-to-Fill Card Dispenser
Ready-to-fill card dispenser for technology cards for Alto printers.

7 81410 67851 4
UE-PCX

PCX-PF2
Alto Color Ribbon and 2 Ready-to-Fill Dispensers
100 print color YMCKO cassette for the Alto printer and two ready-to-fill 50-card capacity dispensers for technology cards.

7 81410 67850 7
UE-PCXPF2

PC3
50 HoloPatch™ Cards in Dispenser for use with Black Resin Film
50 HoloPatch cards in dispenser for use with black resin film (PF3).

7 81410 67855 2
UE-PC3

PCF8
100 HoloPatch Cards in Dispensers with Color Print Cassette
100 print color YMCKO cassette for the Alto printer and two dispensers each with 50 HoloPatch cards.

7 81410 67848 4
UE-PCF8

ALSO AVAILABLE:

PCF7
100 Magnetic Stripe Cards in Dispensers with Color Print Cassette
100 print color YMCKO cassette for the Alto printer and two dispensers each with 50 high coercivity magnetic stripe cards.

7 81410 67847 7
UE-PCF7

PCF9
100 Magnetic Stripe HoloPatch Cards in Dispensers with Color Print Cassette
100 print color YMCKO cassette for the Alto printer and two dispensers each with 50 high coercivity magnetic stripe HoloPatch cards.

7 81410 67849 1
UE-PCF9

See matrix charts for printer supplies and Legacy part number cross reference on pages 79, 80 and 85.

Badging Systems | ALTO™ SUPPLIES AND ACCESSORIES

7 81410 67856 9
UE-PC4

PC4
50 Magnetic Stripe HoloPatch™ Blank Cards in Dispenser
50 high coercivity magnetic stripe HoloPatch blank cards in dispenser.

7 81410 67853 8
UE-PC1

PC1
50 PVC Blank Cards in Dispenser
50 blank cards in dispenser.

7 81410 67846 0
UE-PCF6

PCF6
100 PVC Cards in Dispensers with Color Print Cassette
100 print color YMCKO cassette and two dispensers each with 50 blank cards.

7 81410 67845 3
UE-PF3

PF3
Monochrome Cassette Dye Film
500 print black resin cassette dye film.

7 81410 67854 5
UE-PC2

PC2
50 Blank Cards with Magnetic Stripe in Dispenser
50 high coercivity magnetic stripe blank cards in dispenser for use with monochrome film (PF3).

7 81410 68160 6
UE-PCF10

PCF10
100 Stickyback Cards in Dispensers with Color Print Cassette
100 15 mil adhesive back PVC cards in dispensers plus 100 print color YMCKO cassette.

7 81410 67852 1
UE-HK1

HK1
HoloKote RFID Custom Key & Set Up for Alto Printers
HoloKote Custom Key for Alto printers provides a removable key for higher security against unauthorized card production. The key is programmed with custom text only.

SUPPLIES			Rio M9005-724 PBVP35 M9005-725 PBVP35MO	Tango M9005-776 PBVP35DO M9005-777 PBVP35DM	Turbo PB-VP-17 M-300 PB-VP-8	Turbo PB-VP-17-DO	UltraShield PBVP-8-LAM	PRIMA 2e PRIMA/100 PRIMA/101
New P/N	**Old P/N**	**Description**						
M3610-037	PB-VP8S	Color Ribbon with Resin Black for PB-VP-8 or PB-VP-17 Series, YMCKO 250 Print			✓	✓		
M9003-189	PBVP8S3	Ultra Resin Black Only Ribbon 600 Print			✓	✓		
M9003-215	PBVP8S2	Ribbon for PBVP-17-Dx Series YMCKOK 200 Print, One Side Color / One Side Resin Black				✓		
M9004-371	PBVP-8-LAM-RIB	Ultra Shield for PBVP35LAM or PBVP-8-LAM					✓	
M9005-751	PBVP35CR1	Ribbon for Rio/Rio 2e/Tango/Tango 2e Series YMCKO 350 Print, One or Two Sided Color	✓	✓				
M9005-753	PBVP35CR3	Resin Black Ribbon for Rio/Rio 2e	✓	✓				
M9005-756	PBVP35CR4	Composite Black with Overcoat for Rio/Rio 2e	✓	✓				
M9005-758	PBVP35CR2	Ribbon for Tango/Tango 2e, YMCKOK300 Print One Side Color / One Side Resin Black		✓				
M9006-862		HoloKote Custom Logo Set Up and Key for PBVP35 Series (Rio / Tango)	✓	✓				
N9005-761MED	PBVP35CKM	Cleaning Kit for Rio/Rio 2e/Tango/Tango 2e Series Printers	✓	✓				
N9003564M	PB-VP-8-CLEAN-K	Cleaning Kit for Turbo and M-300			✓	✓		
PRIMA/005		Cleaning Kit for PRIMA Series Printers						✓
PRIMA/007		Ribbon for PRIMA Series, YMCK, 1000 Prints One Side Color and One Side Resin Black						✓
PRIMA/111		Ribbon for PRIMA Series, YMCK, 1000 Prints One Side Color and One Side Resin Black						✓
PRIMA/112		Ribbon for PRIMA Series, YMCK, 750 Prints One Side Color and One Side Resin Black						✓

Badging Systems | SUPPLIES FOR LEGACY PRINTERS

UE-M3610037

M3610-037
Color Ribbon with Resin Black for M-300 & Turbo Printers
Color ribbon for the Turbo and M-300 PVC printer. 4-color dye-sublimation YMCKO ribbon with clear overlay, resin black panel, good for up to 250 cards. This ribbon can be used with infrared barcode readers like the BR-7.

UE-M9003215

M9003-215
Ribbon for Turbo Duplex Printers,
One Side Color/One Side Resin Black
Color YMCKOK ribbon for the Turbo Flip and Sprinter Flip printers. Prints one side color and the other side resin black. 200 prints per roll.

UE-M9003189

M9003-189
Resin Black Only Ribbon
Resin black only ribbon for the Turbo and M-300 printers. 600 prints.

UE-N9003564M

N9003564M
Cleaning Kit for M-300 & Turbo Printers
Cleaning kit for M-300 and Turbo printers. Includes 50 cleaning cards and 3 cleaning pens.

Badging Systems | BADGING COMPONENTS

PBCAM14
Photo ID Badging Camera
Badging camera kit includes camera, power supply, wired remote control and lighting kit mounting adapter. Camera features auto focus, 16x optical (128 digital) zoom, S-video and composite video output, USB 1.1 (USB 2.0 compliant), active pixels NTSC 768 X 494, USB resolution at 15 fps, 640 x 480 res. Power supply is 120 V plug in with 12 VDC output. Dimensions: 2.35" H x 2.28" W x 3.90" D (5.98 cm H x 5.80 cm W x 9.90 cm D).

7 81410 48526 6
NC-PBCAM14

LWVMSDOME
Logitech Orbit PTZ Camera
USB Web camera, PTZ with stand. Camera may be set to perform facetracking to automatically frame the visitor in picture.

7 81410 70831 0
NC-LWVMSDOME

PBLK3
Single Point Lighting Kit
Single point lighting kit for the PBCAM14, PBCAM12 or PBCAM-10 cameras. Light brilliance is controlled by slide dimmer and "barn doors." Tilts for angle adjustment. Tempered glass safety shield. 100 W quartz lamp included. Replacement bulb is the PBLK3BLB. Dimensions: 2.75" H x 2.75" W x 4.25" D (6.99 cm H x 6.99 cm W x 10.8 cm D).

7 81410 38873 4
NC-PBLK3

PBLK3BLB
Replacement Bulb for PBLK3

7 81410 45574 0
NC-PBLK3BLB

LWVMSSIG
Topaz SigLight LCD Signature Capture Pad
USB signature capture pad used to capture visitor signatures during registration. Dimensions: 3" H x 6" W x 1" D (7.62 cm H x 15.24 cm W x 2.54 cm D).

Note: For use with WIN-PAK SE, WIN-PAK PE.

7 81410 69171 1
NC-LWVMSSIG

PB-SIG-CAP-STYL
Stylus Pen for Signature Capture Pad
Replacement stylus pen for the PB-SIG-CAP or PBSIGCAPLCD.

7 81410 29970 2
NC-PBSIGPEN

PB-TRI-POD
Tripod for Badging Camera
3-way fluid panhead with quick release geared center column, 3-section 20mm tubular aluminum legs, steel ground spikes with adjustable rubber-tipped feet. Height range: 21-57" (53.34-144.78 cm).

7 81410 26204 1
NC-PBTRIPOD

Badging Systems | BADGING ACCESSORIES

NC-PBVC16

7 81410 81592 6
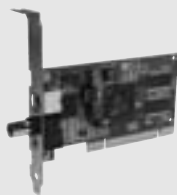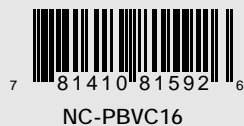
PBVC16
Video Capture Card
Video capture card compatible with WIN-PAK 1.17, WIN-PAK 2.0 Release 4, WIN-PAK 2005, WIN-PAK SE, WIN-PAK PRO Release 4 and WIN-PAK PRO 2005 software programs. Accepts composite or S-video input. Requires one PCI style slot. Does not replace your existing video card. Requires cable (CBL-VB-CAM-2).

NC-PBVC17

7 81410 83883 3

PBVC17
Video Capture Card
Same as the PBVC16 except it is a half height card for small form factor computers.

NC-CBLVBCAM2

7 81410 27949 0

CBL-VB-CAM-2
12' Camera to Capture Card Cable
12' (3.65m) BNC Male – BNC Male RG59 video camera cable.
For use with video capture card (PBVC15).
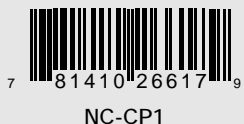
NC-CP1

7 81410 26617 9

CP-1
Card Punch
Hand-held card punch for making slots in cards for badge clips.

NC-CP5

7 81410 26616 2

CP-5
Manual Desktop Card Punch
Stapler-style slot punch with slot receptacle. Slot size: .125" L x .625" W (3 mm L x 16 mm W).

NC-CP7

7 81410 44941 1
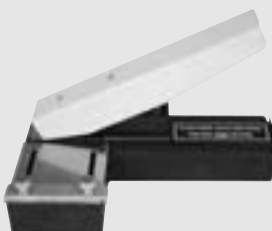
CP7
Desktop Card Punch
Stapler-style slot punch with adjustable centering guides to provide a consistent positioning of the slot. Slot size: .125" L x .550" H (3 mm L x 14 mm W).

Badging Systems | CARD ACCESSORIES

PVC-NT-1
No-Technology PVC Card
Plain white PVC card with no access control technology. For badging only. This card can be used with all PVC printers. Dimensions: 3.375" L x 2.125" W (8.573 cm L x 5.398 cm W).
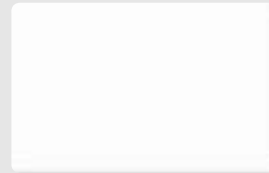
7 81410 27650 5
NC-PVCNT1

PF-4-VERT
Vertical UV Photo ID Flap
Vertical self-adhesive UV photo flap. Used to allow standard cards to be photo ID cards in a vertical orientation.

7 81410 26784 8
NC-PF4VERT

PF-4-HORZ
Horizontal UV Photo ID Flap
Horizontal self-adhesive UV photo flap. Used to allow standard cards to be photo ID cards in a horizontal orientation.

7 81410 27643 7
NC-PF4HORZ

PIP-1
Vertical Card Pouch
Vertical card pouch with metal clip. Designed to work with standard size cards.

7 81410 26622 3
NC-PIP1

PIP-2
Horizontal Card Pouch
Horizontal card pouch with metal clip.

7 81410 26621 6
NC-PIP2

PIP-4
Frosted Rigid Plastic Badge Holder
Durable plastic card holder designed to work with standard size cards.

7 81410 26618 6
NC-PIP4

PIP-5
Vertical Card Holder with Clip Hole
Durable plastic card holder with convenient clip holder. Designed to work with standard size cards.

7 81410 29445 5
NC-PIP5

Badging Systems | CARD ACCESSORIES

7 81410 26624 7

NC-BC1

BC-1
Badge Clips
Badge clips for photo ID cards. Metal clip with plastic band and metal snap.

7 81410 25017 8

NC-BC3

BC-3
Badge Clip with Adhesive
Badge clip with adhesive back for use with proximity cards. The badge clip may interfere with insertion or swipe card readers depending on mounting location.

7 81410 34229 3

NC-BCRETRACT

BCRETRACT
Retractable Coil Badge Holder with Clip
Retractable coil badge holder with clip.

7 81410 45318 0

NC-NCKCHN30

7 81410 26623 0

NC-NCKCHN36

NCKCHN30
30" Neck Chain, Silver
Neck chain with silver finish. Length: 30" (.76m).

ALSO AVAILABLE:
NCKCHN36
36" Neck Chain, Silver
Neck chain with silver finish. Length: 36" (.91m).

7 81410 26619 3

NC-NCKLNRDBA

7 81410 38955 7

NC-NCKLNRDBK

7 81410 45146 9

NC-NCKLNRDNB

NCKLNRDBA
35" Break Away Neck Lanyard, Royal Blue
Break away, flat woven neck lanyard.
Dimensions: .375" W x 35" L (9.5mm W x 889mm L).

ALSO AVAILABLE:
NCKLNRDBK
35" Break Away Neck Lanyard, Black

NCKLNRDNB
35" Break Away Neck Lanyard, Navy Blue

See matrix charts for printer supplies and Legacy part number cross reference on pages 79, 80 and 85.

Readers & Credentials

Honeywell offers a comprehensive selection of readers and credentials to fit any application. From basic proximity technology to the more advanced smart card and biometric solutions – you can find the exact reader and credential solution to meet the needs of any customer.

THIS SECTION INCLUDES:

Proximity

Smart Technology

Biometrics

Magnetic Stripe

Wiegand

Keypads

Barcode

Transmitters / Receivers

Card Accessories

Reader Accessories

Wireless Readers

Readers & Credentials

Honeywell's OmniProx™ offers a complete line of HID compatible 125 kHz proximity readers. The new OmniAssure™ family is a line of smart card readers that are the easiest to use in today's market. In addition to the above brands, Honeywell offers a wide selection of popular readers and credentials from other manufacturers such as HID®, Precise Biometrics and Indala®, to name a few.

Benefits:

- Unprecedented choice in the type, shape, size and color for readers.

- Comprehensive offering of 125 kHz proximity, magnetic stripe and keypad readers provides an economical access control solution for retrofits, expansions and new installations.

- Availability of newer technologies such as 13.56 MHz smart cards and readers provides the ability to offer sophisticated access control solutions that can integrate with other enterprise functions such as logical access or financial transactions.

- Biometric solutions offer enhanced security for sensitive facilities and also bridge the gap between physical and logical security.

OMNIPROX™ PROXIMITY READERS

The OmniProx™ family is a complete line of 125 kHz HID® compatible proximity readers. All OmniProx readers (except the OP90) include three bezels: black, charcoal gray and ivory and are potted for both indoor and outdoor applications. For locations that require a proximity reader able to withstand vandal-prone environments, the OP90 vandal resistant readers come standard in zinc die-cast metal housing.

OP10HONE
OmniProx Mini Mullion Mount Reader with Honeywell Logo
Mini mullion, HID compatible reader with up to a 3" (7.62 cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 3.15" H x 1.57" W x 0.50" D (8.0 cm H x 4.0 cm W x 1.28 cm D).

3 colored bezels included

7 81410 68078 4
NC-OP10HON

ALSO AVAILABLE:
OP10GENE
OmniProx Mini Mullion Mount Reader with No Logo

7 81410 68079 1
NC-OP10GEN

OP30HONE
OmniProx Mullion Mount Reader with Honeywell Logo
Mullion, HID compatible reader with up to a 5" (12.7 cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 5.71" H x 1.69" W x 0.79" D (14.5 cm H x 4.3 cm W x 2.0 cm D).

7 81410 68085 2
NC-OP30HON

ALSO AVAILABLE:
OP30GENE
OmniProx Mullion Mount Reader with No Logo

3 colored bezels included

7 81410 68080 7
NC-OP30GEN

OAMAP30
OP30 Single Gang Adapter Plate – Set of 3
Set of 3 adapter plates (black, charcoal gray and ivory) for covering a U.S. gangbox prior to mounting a mullion reader. The adapter plate is compatible with all OP30 models. Use to retrofit existing HID MiniProx® readers.

7 81410 64998 9
NC-OAMAP30

NC-OP40HON

7 81410 68084 5

NC-OP40GEN

7 81410 68081 4

OP40HONE
OmniProx Wall Mount Reader with Honeywell Logo
U.S. gangbox, HID compatible reader with up to a 4" (10.16 cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 4.33" H x 2.95" W x 0.59" D (11.0 cm H x 7.5 cm W x 1.5 cm D).

ALSO AVAILABLE:
OP40GENE
OmniProx Wall Mount Reader with No Logo

3 colored bezels included

NC-OP90HON

7 81410 68256 6

OP90HONE
OmniProx Vandal Resistant Mount Reader with Honeywell Logo
Stainless steel, vandal-resistant reader with up to a 1.5" (3.81 cm) read range. This reader features a built-in tamper and Wiegand output. Dimensions: 4.75" H x 3" W x 0.82" D (12.1 cm H x 7.6 cm W x 2.1 cm D).

OMNIPROX KITS

NC-OP30RTEWH

7 81410 75047 0

OP30RTEWH
OmniProx Mullion Mount Reader and PIR Kit
Includes an OmniProx mullion mount reader (OP30HONE) and a white PIR (IS310WH). Mullion, HID compatible reader with up to a 5" (12.7cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 5.71" H x 1.69" W x .79" D (14.5 cm H x 4.3 cm W x 2.0 cm D).

ALSO AVAILABLE:
OP30RTEBK
OmniProx Mullion Mount Reader and PIR Kit
Includes an OmniProx reader (OP30HONE) and a black PIR (IS310BK).

NC-OP30RTEBK

7 81410 75046 3

NC-OP40RTEWH

7 81410 75048 7

OP40RTEWH
OmniProx Wall Mount Reader and PIR Kit
Includes an OmniProx wall mount reader (OP40HONE) and a white PIR (IS310WH). Single gangbox, HID compatible reader with up to a 4" (10.16 cm) read range and includes black, charcoal gray and ivory bezels. This reader features a built-in tamper and Wiegand output. Dimensions: 4.33" H x 2.95" W x .59" D (11.0 cm H x 7.5cm W x 1.5 cm D).

ALSO AVAILABLE:
OP40RTEBK
OmniProx Wall Mount Reader and PIR Kit
Includes an OmniProx reader (OP40HONE) and a black PIR (IS310BK).

NC-OP40RTEBK

7 81410 75049 4

HID PROXIMITY READERS

The HID 125 kHz proximity reader family offers readers for many environments from basic UL-rated, indoor/outdoor environments to explosion-proof environments and many read-ranges from basic mini-mullion readers to longer-range parking lot readers. HID 125 kHz proximity readers include models with or without keypads as well as glass-mount options. HID 125 kHz proximity cards are available in both standard and custom configurations to address application needs.

HU/5365EGP00 (formerly PR-MINI-PROX)
HID MiniProx Reader, Charcoal Gray
Exterior or interior proximity reader with up to a 4" (10.16 cm) read range. Charcoal gray with HID artwork. Requires 5-16 VDC linear power supply. Dimensions: 6" H x 1.7" W x .7" D (15.24 cm H x 4.32 cm W x 1.78 cm D).

ALSO AVAILABLE:
HU/5365EBP00 (formerly PR-MINI-PROX-B)
HID MiniProx Reader, Beige

HU/5365EGT00 (formerly PR-MINI-PROX-T)
HID MiniProx with Terminal Strip, Charcoal Gray

HU/6005BKB00 (formerly PRPNTPLBK)
HID ProxPoint Plus Reader, Black
Exterior or interior proximity reader with a read range up to 3" (7.62 cm). The ProxPoint is designed for mounting directly on metal with no change in read range performance. Power: 4.75-16 VDC. Dimensions: 3.14" H x 1.7" W x 0.51" D (7.96 cm H x 4.3 cm W x 1.3 cm D).

ALSO AVAILABLE:
HU/6005BGB00 (formerly PRPNTPLCG)
HID ProxPoint Plus Reader, Charcoal Gray

HU/6005BBB00 (formerly PRPNTPLBG)
HID ProxPoint Plus Reader, Beige

HU/6005BWB00 (formerly PRPNTPLWH)
HID ProxPoint Plus Reader, White

ADI Ordering Information

7 81410 42152 3
HU-5365EGP00

7 81410 74326 7
HU-5365EBP00

7 81410 42483 8
HU-5365EGT00

7 81410 42154 7
HU-6005BKB00

7 81410 42153 0
HU-6005BGB00

7 81410 42155 4
HU-6005BBB00

7 81410 42372 5
HU-6005BWB00

Readers & Credentials |

HU-5355AGN00

HU-5355ABN00

HU-5455BGN00

HU-5355AGK00

NC-PROXPROK2

HU-5395CK100

HU-5395CW100

HU-5395CB100

HU-5395CG100

HU/5355AGN00 (formerly PR-P-PRO)
HID ProxPro® Reader, Charcoal Gray
Exterior or interior proximity reader with up to an 8" (20.3 cm) read range. Requires 12 VDC power supply (HPS123). Dimensions: 5" H x 5" W x 1" D (12.7 cm H x 12.7 cm W x 2.54 cm D).

ALSO AVAILABLE:
HU/5355ABN00 (formerly PR-P-PRO/BEIGE)
HID ProxPro Reader, Beige

HU/5455BGN00 (formerly PRPROII)
HID ProxPro II Reader, Charcoal Gray
Exterior or interior proximity reader with up to an 8" (20.3 cm) read range. Requires 12 VDC power supply (HPS123). Dimensions: 5" H x 5" W x 1" D (12.7 cm H x 12.7 cm W x 2.54 cm D).

HU/5355AGK00 (formerly PR-PROXPRO-K)
HID ProxPro Reader with Keypad, Charcoal Gray
Exterior or interior keypad/proximity reader with up to an 8" (20.3 cm) read range. For use with NS2, NS2+, PRO2200 and PTDEK control panels. Requires 12 VDC power supply (HPS123). Dimensions: 5" H x 5" W x 1" D (12.7 cm H x 12.7 cm W x 2.54 cm D).

PR-PROXPRO-K2
HID ProxPro Reader with Keypad, Charcoal Gray
Exterior or interior keypad/proximity reader with up to an 8" (20.3 cm) read range. For use with the N-1000-II, N-1000-III and N-1000-IV control panels only. Requires 12 VDC power supply (HPS123). Dimensions: 5" H x 5" W x 1" D (12.7 cm H x 12.7 cm W x 2.54 cm D).

HU/5395CK100 (formerly PR-THIN)
HID ThinLine™ II Switch Plate Reader, Black
Exterior or interior proximity reader with up to a 5" (12.5 cm) read range. Dimensions: 4.7" H x 3" W x .5" D (11.93 cm H x 7.62 cm W x 1.27 cm D).

ALSO AVAILABLE:
HU/5395CW100 (formerly PR-THIN/WHITE)
HID ThinLine II Switch Plate Reader, White

HU/5395CB100 (formerly PR-THIN-B)
HID ThinLine II Switch Plate Reader, Beige

HU/5395CG100 (formerly PR-THIN-C)
HID ThinLine II Switch Plate Reader, Charcoal Gray

Readers & Credentials |

HU/5375AGN00 (formerly PR-MAX-PRO)
HID Maxi-Prox® Reader, Charcoal Gray
Exterior or interior proximity reader with up to a 22" (55.9 cm) read range.
Requires 12-24 VDC linear power supply (HPS123). Dimensions: 12" H x
12" W x 1" D (30.48 cm H x 30.48 cm W x 2.54 cm D).

7 81410 34730 4
HU-5375AGN00

HU/5385AGB00 (formerly NC-862814)
MultiProx Reader – Back Connect, Charcoal Gray
The MultiProx reader reads the HID or Schlage proximity card. The reader
is a direct replacement for the Schlage 2700 or 2800 series sensor.
Exterior or interior proximity reader with a read range up to 3" (7.6 cm).
Dimensions: 7.5" H x 7.5" W x .8" D (19 cm H x 19 cm W x 2 cm D).
Power: 50 mA at 24 VDC powered by the controller.

7 81410 34819 6
HU-5385AGB00

HU/5385AGS00 (formerly NC-862815)
MultiProx Reader – Side Connect
The MultiProx reader reads the HID or Schlage proximity card. The reader
is a direct replacement for the Schlage 2700 or 2800 series sensor.
Exterior or interior proximity reader with a read range up to 3" (7.62 cm).
Dimensions: 7.5" H x 7.5" W x .8" D (19 cm H x 19 cm W x 2cm D).
Power: 50 mA at 24 VDC powered by the controller.

7 81410 34818 9
HU-5385AGS00

HU/6020ANN00 (formerly NC-86774)
HID MultiProx HSM
The MultiProx HSM replaces the Schlage MSM, which contains four
inputs and four dry contacts. Dimensions: 4.5" H x 4.5" W x 2.3" D
(11.4 cm H x 11.4 cm W x 5.8 cm D).

7 81410 34815 8
HU-6020ANN00

HU/6000BNN00 (formerly NC-86808)
MultiProx Controller
The MultiProx controller replaces the Schlage 708 or 808 series
reader controller. Dimensions: 10.4" H x 18" W x 2.7" D
(26.4 cm H x 46 cm W x 6.8 cm D). Power: 2.0A at 24 VDC.
Temperature: 0° to 122° F (-20° to 50° C).

7 81410 34715 1
HU-6000BNN00

PROXIMITY CARD QUICK REFERENCE GUIDE

	26-Bit	34-Bit	HID-Card Type	Printable Card	Non-Printable Card	Key Fob	Magstripe (Un-encoded)	Notes
PVC-H-4		✓	1386	✓				
PVC-H-4-26	✓		1386	✓				
PVC-H-4-SPEC		✓	1386	✓				Special Order Card
PVC-H-4-26-SPEC	✓		1386	✓				Special Order Card
PX-4-H		✓	1326		✓			Northern Logo
PX-26-H	✓		1326		✓			Northern Logo
PX-4-H-PW		✓	1326		✓			Plain White
PX-26-H-PW	✓		1326		✓			Plain White
PX-4-H-SPEC		✓	1326		✓			Special Order Card
PX-26-H-SPEC	✓		1326		✓			Special Order Card
PX-4-H-PW-SPEC		✓	1326		✓			Special Order Card, Plain White
PX-26-H-PW-SPEC	✓		1326		✓			Special Order Card, Plain White
PX-KEY-H		✓	1346			✓		
PX-KEY-H-26	✓		1346			✓		
PX-KEY-H-SPEC		✓	1346			✓		Special Order Key Fob
PX-KEY-H-26-SPEC	✓		1346			✓		Special Order Key Fob
PVC-H-5		✓	1336	✓			✓	
PVC-H-5-26	✓		1336	✓			✓	
PVC-H-5-SPEC		✓	1336	✓			✓	Special Order Card
PVC-H-5-26-SPEC	✓		1336	✓			✓	Special Order Card

Note For Special Card Orders:

If you are requesting specific facility code(s) and/or card number(s), you must order the cards with the following added to the part number: -SPEC.
For example, when ordering PX-4-H cards for a specific range of card numbers, you would specify PX-4-H-SPEC. (This does not include cards requiring custom artwork. Please consult Honeywell Access Systems for quotation and minimum order requirements.)

1. Include facility code(s) or card number(s).
2. Additional cost for cards.
3. Lead times vary. Check with your sales representative to confirm.
4. A minimum order of 100 is required on all special cards, except Indala PVC cards which require a minimum of 500.
5. Wiegand special order cards vary approximately 5% over or under when ordered.

Readers & Credentials | HID® PROXIMITY CREDENTIALS

PVC-H-4
HID PVC ProxCard® (34-Bit)
HID PVC proximity card sequentially numbered where encoded number equals printed number. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers.

ALSO AVAILABLE:
PVC-H-4-26
HID PVC ProxCard (26-Bit)

7 81410 27079 4
NC-PVCH4

7 81410 24670 6
NC-PVCH426

PX-ISOPROX
HID ISOProx® PVC Access Control Card (26-Bit)
HID artwork.

7 81410 24672 0
NC-PXISOPROX

PVCH4NP
Non-Programmed HID PVC Card
HID PVC proximity card non-programmed.

7 81410 44807 0
NC-PVCH4NP
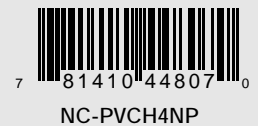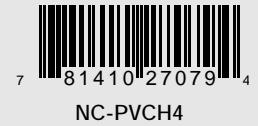
PVC-H-5
HID PVC ProxCard (34-Bit) with Magnetic Stripe (Not Encoded)
HID PVC proximity card with magnetic stripe (not encoded) sequentially numbered where encoded number equals printed number. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers.

7 81410 27085 5
NC-PVCH5

ALSO AVAILABLE:
PVC-H-5-26
HID PVC ProxCard (26-Bit) with Magnetic Stripe (Not Encoded)

7 81410 27073 2
NC-PVCH526

PVCH5NP
Non-Programmed HID PVC Card with Magnetic Stripe (Not Encoded)

7 81410 40458 8
NC-PVCH5NP
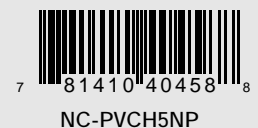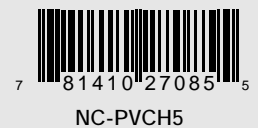
PVC-H-6
HID DuoProx® (34-Bit) 2 Sided Glossy with Magnetic Stripe
RF programmable card offers proximity, magnetic stripe and photo identification technologies on a single access control card. 34-bit, two sided, glossy printable surface. Made of a thin, flexible polyvinyl chloride (PVC) laminate with an ABA standard, high coercivity magnetic stripe rated 4000 Oerstad. Dimensions: 2.125" H x 3.375" W x 0.031" T (5.4 cm H x 8.57 cm W x 0.079 cm T).

7 81410 27088 6
NC-PVCH6

Readers & Credentials |

NC-PX4H

NC-PX4HPW

NC-PX26H

NC-PX26HPW

NC-PRXCARDII

NC-PXKEYH

NC-PXKEYH26

NC-PROXPASS

NC-PRXPASS26

PX-4-H
HID ProxCard with Logo (34-Bit)
HID proximity card (34-bit) with logo and a slot hole punch on the short side. Dimensions: 2.125" H x 3.375" W x 0.070" T (5.398 cm H x 8.573 cm W x .178 cm T).

ALSO AVAILABLE:
PX-4-H-PW
HID ProxCard, Plain White (34-Bit)
Plain white with no logo.

PX-26-H
HID ProxCard with Hot Stamp (26-Bit) and Logo

PX-26-H-PW
HID ProxCard, Plain White (26-Bit)
Plain white with no logo.

PX-PROXCARDII
HID ProxCard II Card (26-Bit)

PX-KEY-H
HID Proximity Card Key Fob (34-Bit)
HID proximity key fob (34-bit) designed to be carried on a user's key ring. Read ranges may be reduced by 50% when using the fob versus a card. Dimensions: 1.87" H x .925" W x .395" T (4.75 cm H x 2.350 cm W x 1 cm T).

ALSO AVAILABLE:
PX-KEY-H-26
HID Proximity Card Key Fob (26-Bit)

PROX-PASS
HID Active Automobile Tag, 6-8' Read Range (34-Bit)
HID active automobile tag (34-bit). Works in conjunction with the PR-MAX-PRO. Read range: 6-8'. Dimensions: 2.625" H x 3.625" W x .30" T (6.75 cm H x 9.25 cm W x .76 cm T).

ALSO AVAILABLE:
PROX-PASS26
Automobile Active Tag (26-Bit)

INDALA® PROXIMITY READERS

Indala's line of 125 kHz readers combines intelligent programming technology with interchangeable components including uniform modules and a range of stylish cover designs. Indala readers are UL rated for indoor and outdoor applications and feature Wiegand output wiring. Indala readers are compatible with Indala credentials.

FP503BG
Indala FlexPass® Linear Slim, Beige
FlexPass Linear style slim mount proximity reader. Up to 4" (10 cm) read range. Single stage, low profile door frame mullion mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 88 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 5.5" H x 1.65" W x 0.75" D (14 cm H x 4.2 cm W x 1.9 cm D).

ALSO AVAILABLE:
FP503BK
Indala FlexPass Linear Slim, Black

7 81410 37400 3
NC-FP503BG

7 81410 37399 0
NC-FP503BK

FP505BG
Indala FlexPass Linear Wall, Beige
FlexPass Linear style wall switch mount proximity reader. Up to 4" (10 cm) read range. Single stage, interior or exterior reader mounts in a single gangbox for easy installation. Contains a red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 89 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.7" H x 3" W x .9" D (11.8 cm H x 7.6 cm W x 2.3 cm D).

ALSO AVAILABLE:
FP505BK
Indala FlexPass Linear Wall, Black

FP505WH
Indala FlexPass Linear Wall, White

7 81410 37402 7
NC-FP505BG

7 81410 37401 0
NC-FP505BK

7 81410 38885 7
NC-FP505WH

Readers & Credentials | INDALA® PROXIMITY READERS

NC-FP603BG

NC-FP603BK

NC-FP603GY

NC-FP603WH

FP603BG
Indala FlexPass Arch Slim, Beige
FlexPass Arch style slim proximity reader. Up to 5" (12.7 cm) read range. Single stage, interior or exterior reader mounts in a single gangbox for easy installation. Contains a red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.5" H x 1.72" W x 0.85" D (11.42 cm H x 4.37 cm W x 2.16 cm D).

ALSO AVAILABLE:
FP603BK
Indala FlexPass Arch Slim, Black

FP603GY
Indala FlexPass Arch Slim, Charcoal Gray

FP603WH
Indala FlexPass Arch Slim, White

NC-FP605BG

NC-FP605BK

NC-FP605GY

NC-FP605WH
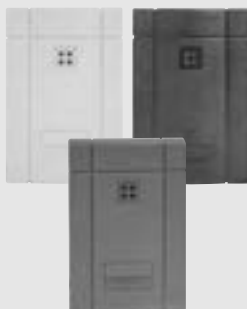
FP605BG
Indala FlexPass Arch Wall, Beige
FlexPass Arch style wall switch proximity reader. Up to 5" (12.7 cm) read range. Single stage, low profile wall switch mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Operating temperature range: -31° to 149° F (-35° to 65° C). Dimensions: 4.5" H x 2.99" W x 0.85" D (11.42 cm H x 7.59 cm W x 2.16 cm D).

ALSO AVAILABLE:
FP605BK
Indala FlexPass Arch Wall, Black

FP605GY
Indala FlexPass Arch Wall, Charcoal Gray

FP605WH
Indala FlexPass Arch Wall, White

Readers & Credentials |

FP610BG
Indala FlexPass Arch Mid-Range, Beige
FlexPass Arch style mid-range proximity reader. Up to 12" (30.5 cm) read range. Single stage, low profile wall mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-14 VDC linear power supply. Maximum current: 140 mA @ 12 VDC, 82 mA @ 5 VDC. Operating temperature range: -31° to 149° F (-35° to 65° C). Dimensions: 5.10" H x 6.10" W x 1.00" D (12.95 cm H x 15.49 cm W x 2.54 cm D).

ALSO AVAILABLE:
FP610WH
Indala FlexPass Arch Mid-Range, White

FP610BK
Indala FlexPass Arch Mid-Range, Black

7 81410 37416 4
NC-FP610BG

7 81410 46090 4
NC-FP610WH

7 81410 37415 7
NC-FP610BK

FP703BK
Indala FlexPass Curve Slim, Black
FlexPass Curve style slim proximity reader. Up to a 5" (12.7 cm) read range. Single stage, interior or exterior reader mounts in a single gangbox for easy installation. Contains a red/green LED indicator. Requires 4-16 VDC power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.5" H x 1.72" W x 1.1" D (12.1 cm H x 4.4 cm W x 2.8 cm D).

7 81410 37503 1
NC-FP703BK

FP705BK
Indala FlexPass Curve Wall, Black
FlexPass Curve style wall switch proximity reader. Up to a 5" (12.7cm) read range. Single stage, low profile wall switch mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-16 VDC power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.75" H x 3.24" W x 1.1" D (12.1 cm H x 8.2 cm W x 2.8 cm D).

7 81410 37449 2
NC-FP705BK

FP803BK
Indala FlexPass Wave Slim, Black
FlexPass Wave style slim proximity reader. Up to a 5" (12.7 cm) read range. Single stage, interior or exterior reader mounts in a single gangbox for easy installation. Contains a red/green LED indicator. Requires 4-16 VDC power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.5" H x 1.72" W x 1.1" D (12.1 cm H x 4.4 cm W x 2.8 cm D).

ALSO AVAILABLE:
FP803MA
Indala FlexPass Wave Slim, Marine

7 81410 37490 4
NC-FP803BK

7 81410 37495 9
NC-FP803MA

NC-FP805BK

NC-FP805MA

NC-FP810BK

NC-FP810MA

NC-PRASR620

FP805BK
Indala FlexPass Wave Wall, Black
FlexPass Wave style wall switch proximity reader. Up to a 5" (12.7 cm) read range. Single stage, low profile wall switch mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-16 VDC linear power supply. Maximum current: 96 mA @ 12 VDC, 100 mA @ 5 VDC. Dimensions: 4.75" H x 3.24" W x 1.1" D (12.1 cm H x 8.2 cm W x 2.8 cm D).

ALSO AVAILABLE:
FP805MA
Indala FlexPass Wave Wall, Marine

FP810BK
Indala FlexPass Wave Mid-Range, Black
FlexPass Wave style mid-range proximity reader. Up to a 12" (30.5 cm) read range. Single stage, low profile wall mount, interior or exterior reader. Contains red/green LED indicator. Requires 4-14 VDC linear power supply. Maximum current: 140 mA @ 12 VDC, 82 mA @ 5 VDC. Dimensions: 5.6" H x 6.5" W x 1.5" D (14.2 cm H x 16.5cm W x 3.8 cm D).

ALSO AVAILABLE:
FP810MA
Indala FlexPass Wave Mid-Range, Marine

PR-ASR-620
Indala FlexPass Long Range, Black
Proximity card reader. Up to 28" (71 cm) read range using the FlexCard™ standard card. Single piece construction for easy installation. Reads bi-directionally. Weather resistant and field programmable. Requires 12-24 VDC linear power supply. Requires 12 VDC @1.0A nominal /1.2 A maximum or 24 VDC @ 750 mA nominal/900 mA maximum. Dimensions: 11.2" H x 11.2" W x 1.8" D (28.4 cm H x 28.4 cm W x 4.6 cm D).

PX-121-I
Indala Proximity Card with Hot Stamp (26-Bit)
Standard Indala proximity card for ASR series readers. Includes hole punch on short side and printed card number. Dimensions: 2.13" H x 3.38" W x .09" T (5.41 cm H x 8.585 cm W x .229 cm T).
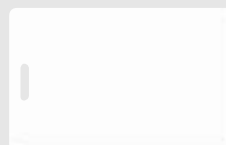
7 81410 27654 3
NC-PX121I

PVC-I-5
Indala Imaging Proximity Card (26-Bit)
Indala PVC proximity card (26-bit) sequentially numbered with standard read range. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers. Dimensions: 2.125" H x 3.375" W x .030" T (5.398 cm H x 8.573 cm W x .076 cm T).

7 81410 27639 0
NC-PVCI5

PVC-I-6
Indala Imaging Proximity Card with Magnetic Stripe
Indala PVC proximity card sequentially numbered with magnetic stripe and standard read range. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers. Dimensions: 2.125" H x 3.375" W x .030" T (5.398 cm H x 8.573 cm W x .076 cm T).

7 81410 27634 5
NC-PVCI6

PVC-I-7
Indala Imaging Proximity Card, Printable on 2 Sides
Indala PVC proximity card sequentially numbered 2 side printable with standard read range. Allows a video photo ID to be printed directly on the card surface. This card can be used with all PVC printers. Dimensions: 2.125" H x 3.375" W x .030" T (5.398 cm H x 8.573 cm W x .076 cm T).
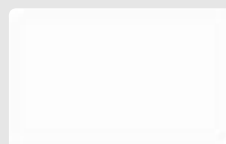
7 81410 27633 8
NC-PVCI7

PX-115-I
Indala Proximity Key Tag with Hot Stamp (26-Bit)
Indala proximity key tag made of durable ABS plastic, designed to be carried on a key ring. Includes label with encoded number. Reader read ranges may be reduced by 50% when using the tag versus a card. Dimensions: 2.2" H x 1.3" W x .25" T (5.588 cm H x 3.302 cm W x .635 cm T).

7 81410 27652 9
NC-PX115I

OMNIASSURE™ SMART CARD READERS

Honeywell's OmniAssure contactless smart card family is based on 13.56 MHz technology. The OmniAssure family eloquently combines compliance with convenience. Their U.S. patent-pending flash-on-card design makes OmniAssure readers the easiest to use in today's market. With flash-on-card, the reader's flash firmware can be easily updated to support changing government standards without removing the readers from the wall. The OmniAssure family has options to support FIPS 201 PIV II, TWIC, FRAC, DoD CAC, open standard ISO 14443 (Mifare®, DESFire® and SmartMX®), and 125 kHz HID® Prox cards.

ADI Ordering Information

7 81410 81741 8

NC-OT30HONA

7 81410 84692 0

NC-OT30SPEC

OT30HONA
OmniAssure Mullion Reader, Silver, PIV II
Smart card mullion-style reader with a silver bezel and a terminal block connection. Default credential is PIV II. Reprogrammable for TWIC, FRAC, CAC, ISO14443 A/B, Mifare, DESFire, SmartMX credentials. Flash update capable via flash smart card. Output interfaces: Wiegand, clock & data, RS485/RS232/RS422. Requires 4.5-16 VDC linear power supply. Maximum current: 400 mA @ 5 VDC, 167 mA @ 12 VDC. Dimensions: 5.59" H x 1.81" W x .98" D (14.2 cm H x 4.62 cm W x 2.5 cm D). Operating temperature range: -4° to 140° F (-20° to 60° C).

ALSO AVAILABLE:
OT30SPEC
OmniAssure Mullion Reader, Silver, Special Order Configuration
Custom reader configuration and card credential.

Readers & Credentials | OMNIASSURE™ SMART CARD READERS

OT31HONA
OmniAssure Mullion Reader, Silver, PIV II + 125 kHz HID Prox
Smart card mullion-style reader with a silver bezel and a terminal block connection. Default credentials are PIV II and 125 kHz HID proximity cards. Reprogrammable for TWIC, FRAC, CAC, ISO14443 A/B, Mifare, DESFire, SmartMX credentials. Flash update capable via flash smart card. Output interfaces: Wiegand, clock & data, RS485/RS232/RS422. Requires 4.5-16 VDC linear power supply. Maximum current: 400 mA @ 5 VDC, 167 mA @ 12 VDC. Dimensions: 5.59" H x 1.81" W x .98" D (14.2 cm H x 4.62 cm W x 2.5 cm D). Operating temperature range: -4° to 140° F (-20° to 60° C).

7 81410 81742 5
NC-OT31HONA

ALSO AVAILABLE:
OT31HONAS
OmniAssure Mullion Reader, Silver, Card Serial Number Only + 125 kHz HID Prox
Default credentials are Mifare, DESFire, ISO14443 A/B and 125 kHz HID proximity cards. Reprogrammable for PIV II, TWIC, FRAC, CAC, SmartMX credentials.

7 81410 84724 8
NC-OT31HONAS

OT31SPEC
OmniAssure Mullion Reader, Silver, Special Order Configuration + 125 kHz HID Prox
Custom reader configuration and card credential.

7 81410 84707 1
NC-OT31SPEC

OT35HONA
OmniAssure Mullion Reader with Keypad, Silver, PIV II
Smart card mullion-style keypad/proximity reader with a silver bezel and a terminal block connection. Default credential is PIV II. Reprogrammable for TWIC, FRAC, CAC, ISO14443 A/B, Mifare, DESFire, SmartMX credentials. Flash update capable via flash smart card. Output interfaces: Wiegand, clock & data, RS485/RS232/RS422. Requires 4.5-16 VDC linear power supply. Maximum current: 400 mA @ 5 VDC, 167 mA @ 12 VDC. Dimensions: 5.59" H x 1.81" W x .98" D (14.2 cm H x 4.62 cm W x 2.5 cm D). Operating temperature range: -4° to 140° F (-20° to 60° C).

7 81410 81743 2
NC-OT35HONA

ALSO AVAILABLE:
OT35SPEC
OmniAssure Mullion Reader with Keypad, Silver, Special Order Configuration
Custom reader configuration and card credential.

7 81410 84728 6
NC-OT35SPEC

Readers & Credentials

NC-OT36HONA

7 81410 81744 9

NC-OT36HONAS

7 81410 84729 3

NC-OT36SPEC

7 81410 84731 6

NC-OT70HONA

7 81410 81745 6

NC-OT70HONAS

7 81410 84732 3

NC-OT70SPEC

7 81410 84733 0

OT36HONA
OmniAssure Mullion Reader with Keypad, Silver, PIV II +
Smart card mullion-style keypad/proximity reader with a silver bezel and a terminal block connection. Default credentials are PIV II and 125 kHz HID proximity cards. Reprogrammable for TWIC, FRAC, CAC, ISO14443 A/B, Mifare, DESFire, SmartMX credentials. Flash update capable via flash smart card. Output interfaces: Wiegand, clock & data, RS485/RS232/RS422. Requires 4.5-16 VDC linear power supply. Maximum current: 400 mA @ 5 VDC, 167 mA @ 12 VDC. Dimensions: 5.59" H x 1.81" W x .98" D (14.2 cm H x 4.62 cm W x 2.5 cm D). Operating temperature range: -4° to 140° F (-20° to 60° C).

ALSO AVAILABLE:
OT36HONAS
OmniAssure Mullion Reader with Keypad, Silver, Card Serial Number Only + 125 kHz HID Prox
Default credentials are Mifare, DESFire, ISO14443 A/B and 125 kHz HID proximity cards. Reprogrammable for PIV II, TWIC, FRAC, CAC, SmartMX credentials.

OT36SPEC
OmniAssure Mullion Reader with Keypad, Silver, Special Order Configuration + 125 kHz HID Prox
Custom reader configuration and card credential.

OT70HONA
OmniAssure Mullion Fingerprint Reader, Silver, DESFire Serial Number Only
Smart card mullion-style fingerprint/proximity reader with a silver bezel and a terminal block connection. It is a dual factor reader that verifies the live fingerprint against the template stored in a smart card. Default credential is DESFire. Reprogrammable for ISO14443 A/B, Mifare, SmartMX credentials. Flash update capable via PC connection. Output interfaces: Wiegand, clock & data, RS485/RS232/RS422. Requires 8-24 VDC linear power supply. Maximum current: 417 mA @ 12 VDC, 208 mA @ 24 VDC. Dimensions: 7.58" H x 1.99" W x 1.69" D (19.25 cm H x 5.05 cm W x 4.3 cm D). Operating temperature range: 32° to 140° F (0° to 60° C).

ALSO AVAILABLE:
OT70HONAS
OmniAssure Mullion Fingerprint Reader, Silver, Mifare Serial Number Only
Default credential is Mifare. Reprogrammable for ISO14443 A/B, DESFire, SmartMX credentials.

OT70SPEC
OmniAssure Mullion Fingerprint Reader, Silver, Special Order Configuration
Custom reader configuration and card credential.

OT75HONA

OmniAssure Mullion Fingerprint Reader with Keypad, Silver, DESFire Serial Number Only

Smart card mullion-style fingerprint/keypad/proximity reader with a silver bezel and a terminal block connection. It is a dual factor reader that verifies the live fingerprint against the template stored in a smart card. Default credential is DESFire. Reprogrammable for ISO14443 A/B, Mifare, SmartMX credentials. Flash update capable via PC connection. Output interfaces: Wiegand, clock & data, RS485/RS232/RS422. Requires 8-24 VDC linear power supply. Maximum current: 417 mA @ 12 VDC, 208 mA @ 24 VDC. Dimensions: 7.58" H x 1.99" W x 1.69" D (19.25 cm H x 5.05 cm W x 4.3 cm D). Operating temperature range: 32° to 140° F (0° to 60° C).

7 81410 81748 7

NC-OT75HONA

ALSO AVAILABLE:

OT75HONAS

OmniAssure Mullion Fingerprint Reader with Keypad, Silver, Mifare Serial Number Only

Default credential is Mifare. Reprogrammable for ISO14443 A/B, DESFire, SmartMX credentials.

7 81410 84735 4

NC-OT75HONAS

OT75SPEC

OmniAssure Mullion Fingerprint Reader with Keypad, Silver, Special Order Configuration

Custom reader configuration and card credential.

7 81410 84736 1

NC-OT75SPEC

7 81410 81383 0

NC-ODP4N00

7 81410 81382 3

NC-ODP4M00

ODP4N00
PVC DESFire Card
Un-programmed DESFire card. This card has a 56-bit unique serial number and 4K of memory. Printable white glossy finish card on both sides.

ALSO AVAILABLE:
ODP4M00
PVC DESFire Card with Magnetic Stripe

7 81410 84757 6

NC-OFP1N00

7 81410 85527 4

NC-OFP1M00

OFP1N00
PVC Mifare 1K Card
Un-programmed Mifare 1K card. This card has a 32-bit unique serial number and 1K of memory. Printable white glossy finish card on both sides.

ALSO AVAILABLE:
OFP1M00
PVC Mifare 1K Card with Magnetic Stripe
Un-programmed Mifare 1K card with an un-encoded magnetic stripe. This card has a 32-bit unique serial number and 1K of memory. Printable white glossy finish card on both sides.

7 81410 85490 1

NC-OFP4N00

7 81410 85488 8

NC-OFP4M00

OFP4N00
PVC Mifare 4K Card
Un-programmed Mifare 4K card. This card has a 32-bit unique serial number and 4K of memory. Printable white glossy finish card on both sides.

ALSO AVAILABLE:
OFP4M00
PVC Mifare 4K Card with Magnetic Stripe

7 81410 84758 3

NC-OFP1N0026

7 81410 86873 1

NC-OFP1N0034

OFP1N0026
Dual Tech PVC Mifare 1K Card and HID Prox
Un-programmed Mifare 1K and programmed 26-bit HID proximity card. This card has a 32-bit unique serial number and 4K of memory. Printable white glossy finish card on both sides.

ALSO AVAILABLE:
OFP1N0034
Dual Tech PVC Mifare 1K Card and HID Prox (34-Bit)
Un-programmed Mifare 1K and programmed 34-bit HID proximity card.

ALSO AVAILABLE:

OFP1M0026
Dual Tech PVC Mifare 1K Card with Magnetic Stripe and HID Prox
Un-programmed Mifare 1K with un-encoded magnetic stripe and programmed 26-bit HID proximity card.

7 81410 85487 1
NC-OFP1M0026

OFP1M0034
Dual Tech PVC Mifare 1K Card with Magnetic Stripe and HID Prox (34-Bit)
Un-programmed Mifare 1K with un-encoded magnetic stripe and programmed 34-bit HID proximity card.

7 81410 86877 9
NC-OFP1M0034

OFP4N0026
Dual Tech PVC Mifare 4K Card and HID Prox
Un-programmed Mifare 4K and programmed 26-bit HID proximity card. This card has a 32-bit unique serial number and 4K of memory. Printable white glossy finish card on both sides.

7 81410 85489 5
NC-OFP4N0026

ALSO AVAILABLE:

OFP4N0034
Dual Tech PVC Mifare 4K Card and HID Prox (34-Bit)
Un-programmed Mifare 4K and programmed 34-bit HID proximity card.

7 81410 86878 6
NC-OFP4N0034

OFP4M0026
Dual Tech PVC Mifare 4K Card with Magnetic Stripe and HID Prox
Un-programmed Mifare 4K with un-encoded magnetic stripe and programmed 26-bit HID proximity card.

7 81410 85528 1
NC-OFP4M0026

OFP4M0034
Dual Tech PVC Mifare 4K Card with Magnetic Stripe and HID Prox (34-Bit)
Un-programmed Mifare 4K with un-encoded magnetic stripe and programmed 34-bit HID proximity card.

7 81410 86880 9
NC-OFP4M0034

7 81410 81333 5

NC-IEMOUNT

7 81410 81332 8

NC-IEMOUNT2

7 81410 81746 3

NC-IETAMPER

IEMOUNT
Single Gang Reader Mounting Kit
Single gangbox mounting kit for all OmniAssure OT30, OT31, OT35, and OT36 models. Makes overall reader dimensions 5.59" H x 2.87" W x 1.1" D (14.2 cm H x 7.32 cm W x 2.8 cm D).

ALSO AVAILABLE:
IEMOUNT2
Single Gang Reader Mounting Kit
Single gangbox mounting kit for all OmniAssure OT70 and OT75 models. Makes overall reader dimensions 8.58" H x 2.99" W x 2.05" D (21.8 cm H x 7.6 cm W x 5.2 cm D).

IETAMPER
Tamper Switch Accessory for OmniAssure readers

OMNICLASS™

Honeywell's OmniClass™ contactless smart card family is based on 13.56 MHz technology. The OmniClass family's encryption provides more security than standard 125 kHz proximity. The OmniClass readers support ISO14443A, 14443B and 15693, although the reader may only be able to read the card serial number on some cards. OmniClass credentials that are 16K can also store data for other applications, allowing campuses and other facilities to issue a single card. OmniClass credentials include multi-technology cards with OmniClass, HID prox and/or magnetic stripe.

OM15BHONA
OmniClass R15 Mullion Reader, Black
OmniClass mullion style smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS®, and PIV II credentials. Up to 3.0" (7.6 cm) read range. Current requirements: 55 mA average, 112 mA peak @ 12 VDC. Dimensions: 6.0" H x 1.9" W x 0.9" D (15.3 cm H x 4.8 cm W x 2.3 cm D).

7 81410 88067 2
NC-OM15BHONA

ALSO AVAILABLE:
OM15GHONA
OmniClass R15 Mullion Reader, Gray

7 81410 88076 4
NC-OM15GHONA

OM16BHONA
OmniClass RP15 multiCLASS® Mullion Reader, Black (HID Prox)
OmniClass multiCLASS mullion style smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, PIV II and 125 kHz HID proximity credentials. Up to 3.0" (7.6 cm) read range. Current requirements: 50/75 mA @ 12 VDC. Dimensions: 6.1" H x 1.9" W x 0.9" D (15.6 cm H x 4.8 cm W x 2.3 cm D).

7 81410 88077 1
NC-OM16BHONA

ALSO AVAILABLE:
OM16GHONA
OmniClass RP15 multiCLASS Mullion Reader, Gray (HID Prox)

7 81410 88078 8
NC-OM16GHONA

OM17BHONA
OmniClass RP15 multiCLASS Mullion Reader, Black (Indala Prox)
OmniClass multiCLASS mullion style smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, PIV II and 125 kHz Indala proximity credentials. Up to 3.0" (7.6 cm) read range. Current requirements: 50/75 mA @ 12 VDC. Dimensions: 6.1" H x 1.9" W x 0.9" D (15.6 cm H x 4.8 cm W x 2.3 cm D).

7 81410 88079 5
NC-OM17BHONA

ALSO AVAILABLE:
OM17GHONA
OmniClass RP15 multiCLASS Mullion Reader, Gray (Indala Prox)

7 81410 88080 1
NC-OM17GHONA

Readers & Credentials | OMNICLASS™ SMART CARD READERS

NC-OM30BHONB

7 81410 86664 5

NC-OM30GHONB

7 81410 86668 3

OM30BHONB
OmniClass R10 Mini-Mullion Reader, Black
OmniClass mini-mullion style smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, and PIV II credentials. Up to 3.0" (7.6 cm) read range. Current requirements: 55 mA average, 116 mA peak @ 12 VDC. Dimensions: 4.0" H x 1.9" W x 0.9" D (10.3 cm H x 4.8 cm W x 2.3 cm D).

ALSO AVAILABLE:
OM30GHONB
OmniClass R10 Mini-Mullion Reader, Gray

NC-OM40BHONB

7 81410 86665 2

NC-OM40GHONB

7 81410 86669 0

OM40BHONB
OmniClass R40 U.S. Single Gang Reader, Black
OmniClass U.S. single gang box style smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, PIV II and 125 kHz HID proximity credentials. Up to 4.0" (10.2 cm) read range. Current requirements: 50/75 mA @ 12 VDC. Dimensions: 4.8" H x 3.3" W x 1.0" D (12.2 cm H x 8.4 cm W x 2.4 cm D).

ALSO AVAILABLE:
OM40GHONB
OmniClass R40 U.S. Single Gang Reader, Gray

NC-OM41BHONB

7 81410 86670 6

NC-OM41GHONB

7 81410 86671 3

OM41BHONB
OmniClass RP40 multiCLASS U.S. Single Gang Reader, Black (HID Prox)
OmniClass multiCLASS U.S. single gang box style smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, PIV II and 125 kHz HID proximity credentials. Up to 4.0" (10.2 cm) read range. Current requirements: 50/75 mA @ 12 VDC. Dimensions: 4.8" H x 3.3" W x 1.0" D (12.2 cm H x 8.4 cm W x 2.4 cm D).

ALSO AVAILABLE:
OM41GHONB
OmniClass RP40 multiCLASS U.S. Single Gang Reader, Gray (HID Prox)

NC-OM42BHONB

7 81410 86672 0

NC-OM42GHONB

7 81410 86673 7

OM42BHONB
OmniClass RP40 multiCLASS U.S. Single Gang Reader, Black (Indala Prox)
OmniClass multiCLASS U.S. single gang box style smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, PIV II and 125 kHz Indala proximity credentials. Up to 4.0" (10.2 cm) read range. Current requirements: 50/75 mA @ 12 VDC. Dimensions: 4.8" H x 3.3" W x 1.0" D (12.2 cm H x 8.4 cm W x 2.4 cm D).

ALSO AVAILABLE:
OM42GHONB
OmniClass RP40 multiCLASS U.S. Single Gang Reader, Gray (Indala Prox)

OM45BHONB
OmniClass R30 UK/Asian Gang Reader, Black
OmniClass UK/Asian gang box style smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, and PIV II credentials. Up to 4.0" (10.2 cm) read range. Current requirements: 55 mA average, 121 mA peak @ 12 VDC. Dimensions: 3.3" H x 3.3" W x 1.0" D (8.4 cm H x 8.4 cm W x 2.4 cm D).

7 81410 86666 9
NC-OM45BHONB

ALSO AVAILABLE:
OM45GHONB
OmniClass R30 UK/Asian Gang Reader, Gray

7 81410 86674 4
NC-OM45GHONB

OM55BHONB
OmniClass RK40 Keypad Reader, Black
OmniClass keypad smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, and PIV II credentials. Up to 4.0" (10.2 cm) read range. Recommended 5-16 VDC linear power supply. Current requirements: 85 mA average, 116 mA peak @ 12 VDC. Dimensions: 4.8" H x 3.3" W x 1.1" D (12.2 cm H x 8.5 cm W x 2.8 cm D).
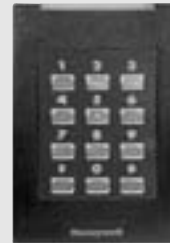
7 81410 86667 6
NC-OM55BHONB

ALSO AVAILABLE:
OM55GHONB
OmniClass RK40 Keypad Reader, Gray

7 81410 86675 1
NC-OM55GHONB

OM56BHONA
OmniClass RPK40 multiCLASS Keypad Reader, Black (HID Prox)
OmniClass multiCLASS keypad smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, PIV II and 125 kHz HID proximity credentials. Up to 4.0" (10.2 cm) read range. Recommended 5-16 VDC linear power supply. Current requirements: 80/100 mA @ 12 VDC. Dimensions: 4.8" H x 3.3" W x 1.05" D (12.2 cm H x 8.4 cm W x 2.7 cm D).
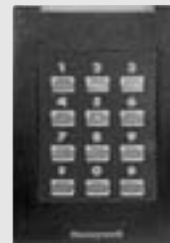
7 81410 86676 8
NC-OM56BHONA

ALSO AVAILABLE:
OM56GHONA
OmniClass RPK40 multiCLASS Keypad Reader, Gray (HID Prox)

7 81410 86677 5
NC-OM56GHONA

OM57BHONA
OmniClass RPK40 multiCLASS Keypad Reader, Black (Indala Prox)
OmniClass multiCLASS keypad smart card reader (FIPS 201 compliant) with 18" pigtail wire connection. Compatible with OmniClass, iCLASS, PIV II and 125 kHz Indala proximity credentials. Up to 4.0" (10.2 cm) read range. Recommended 5-16 VDC linear power supply. Current requirements: 80/100 mA @ 12 VDC. Dimensions: 4.8" H x 3.3" W x 1.05" D (12.2 cm H x 8.4 cm W x 2.7 cm D).
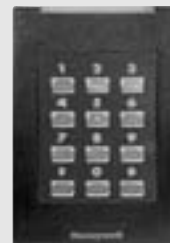
7 81410 86678 2
NC-OM57BHONA

ALSO AVAILABLE:
OM57GHONA
OmniClass RPK40 multiCLASS Keypad Reader, Gray (Indala Prox)

7 81410 86679 9
NC-OM57GHONA

NC-OKP0N34

NC-OKP0N26

OKP0N34
OmniClass 2K PVC Card (34-Bit, HAS Format)
OmniClass 2K PVC smart card. 34-bit Wiegand format.

ALSO AVAILABLE:
OKP0N26
OmniClass 2K PVC Card (26-Bit)
OmniClass 2K PVC smart card. 26-bit Wiegand format.

NC-OKP2N34

NC-OKP2N26

OKP2N34
OmniClass 16K PVC Card (34-Bit, HAS Format)
OmniClass 16K PVC smart card with 16 application areas. 34-bit Wiegand format.

ALSO AVAILABLE:
OKP2N26
OmniClass 16K PVC Card (26-Bit)
OmniClass 16K PVC smart card with 16 application areas. 26-bit Wiegand format.

NC-OKP2M34

NC-OKP2M26

OKP2M34
OmniClass 16K PVC Magnetic Card (34-Bit, HAS Format)
OmniClass 16K PVC smart card. 34-bit Wiegand format. This card also includes a user-programmable magnetic stripe for interfacing with legacy systems.

ALSO AVAILABLE:
OKP2M26
OmniClass 16K PVC Magnetic Card (26-Bit)
OmniClass 16K PVC smart card. 26-bit Wiegand format. This card also includes a user-programmable magnetic stripe for interfacing with legacy systems.

NC-OKH2N34

NC-OKH2N26

OKH2N34
OmniClass 16K PVC 125 kHz HID Proximity Card (34-Bit, HAS Format)
OmniClass 16K PVC smart card with 16 application areas. 34-bit Wiegand format. This card also includes a 125 kHz HID proximity chip of the same Wiegand format.

ALSO AVAILABLE:
OKH2N26
OmniClass 16K PVC 125 kHz HID Proximity Card (26-Bit)
OmniClass 16K PVC smart card. 26-bit Wiegand format. This card also includes a 125 kHz HID proximity chip of the same Wiegand format.

NOTE: 34-bit HAS format is recommended as it allows the most flexibility for future access control system expansions.

OKH2M34

OmniClass 16K PVC 125 kHz HID Proximity Card with Magnetic Stripe (34-Bit, HAS Format)
OmniClass 16K PVC smart card with 16 application areas. 34-bit Wiegand format. This card also includes a 125 kHz HID prox chip of the same Wiegand format and a user-programmable magnetic stripe.

7 81410 75070 8

NC-OKH2M34

ALSO AVAILABLE:

OKH2M26

OmniClass 16K PVC 125 kHz HID Proximity Card with Magnetic Stripe (26-Bit)
OmniClass 16K PVC smart card. 26-bit Wiegand format. This card also includes a 125 kHz HID proximity chip of the same Wiegand format and a user-programmable magnetic stripe.

7 81410 75069 2

NC-OKH2M26

OKS2N34

OmniClass 16K Sticker (34-Bit, HAS Format)
OmniClass 16K smart sticker with 16 application areas. 34-bit Wiegand format with more memory.

7 81410 75082 1

NC-OKS2N34

ALSO AVAILABLE:

OKS2N26

OmniClass 16K Sticker (26-Bit)

7 81410 75081 4

NC-OKS2N26

OKK2N34

OmniClass 16K Key Fob (34-Bit, HAS Format)
OmniClass 16K smart key fob with 16 application areas. 34-bit Wiegand format with more memory.

7 81410 75074 6

NC-OKK2N34

ALSO AVAILABLE:

OKK2N26

OmniClass 16K Key Fob (26-Bit)

7 81410 75073 9

NC-OKK2N26

NOTE: 34-bit HAS format is recommended as it allows the most flexibility for future access control system expansions.

Note For Special Card Orders:
If you are requesting specific facility code(s) and/or card number(s), you must order the OmniClass cards with the following added to the part number: SP. For example, when ordering OKP0N26 cards for a specific range of card numbers, you would specify OKP0N26SP. (This does not include cards requiring custom artwork. Please consult Honeywell Access Systems for quotation and minimum order requirements.)
1. Include facility code(s) or card number(s).
2. Additional cost for cards.
3. Lead times vary. Check with your sales representative to confirm.
4. A minimum order of 100 is required on all special cards, except Motorola PVC cards which require a minimum of 500.
5. Wiegand special order cards vary approximately 5% over or under when ordered.

BIOMETRICS

Technology-proven fingerprint and hand geometry readers enable security managers to ensure that the person with the card is the person to whom the card was issued. Biometric solutions are encouraged for high-security facilities or locations within a facility. When installing readers outdoors, please review needs for enclosures, heaters and/or cooling fans.

7 81410 48008 7
NC-BVVSMARTI
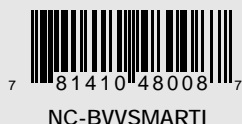
BVVSMARTI
V-Smart™ with HID iClass 13.56 MHz Reader
V-Smart with HID iClass/OmniClass 13.56 MHz reader is a dual factor reader for security and access control. It verifies the live fingerprint against the template stored in the 16K smart card and allows for Wiegand communication formats up to 64 bits. Operating temperature range: 32° to 140° F (0° to 60° C). Dimensions: 5.1" H x 4.7" W x 2.5" D (13 cm H x 11.8 cm W x 6.4 cm D).

ALSO AVAILABLE:
BVVSMART
V-Smart with Mifare 13.56 MHz Reader

7 81410 47085 9
NC-BVVSMART

7 81410 64146 4
NC-BVVTENCW
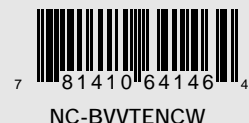
BVVTENCW
V-Smart Outdoor Enclosure with Window
Dimensions: 11.5" H x 8.07" W x 5.5" D (29.2 cm H x 20.5 cm W x 14.0 cm D). Lid lifts up and is 11.25" H x 9.25" W (28.6 cm H x 23.5 cm W). Reader not included.

7 81410 49110 6
NC-BVVSTATNA

BVVSTATNA
V-Station Base Model with LCD Display
Up to 3,550 Templates
A fingerprint biometric terminal for use with security and access control systems, V-Station includes LCD display and keypad. The fingerprint is verified against the template stored in the terminal after it has been chosen by PIN or external Wiegand device. Up to 3,550 templates stored in each terminal. Operating temperature range: 32° to 140° F (0° to 60° C). Dimensions: 5.63" H x 6.63" W x 2.63" D (14.3 cm H x 16.8 cm W x 6.7 cm D).

BVVSTATNAS
**V-Station Base Model with LCD and Display, Search,
Up to 200 Templates**
Includes LCD display, keypad and fingerprint identification. Identifies the user
from up to 200 templates stored in the terminal without use of card or PIN.

7 81410 49111 3
NC-BVVSTATNS

BVVSTATNAP
V-Station Base Model with LCD & HID 125 kHz Proximity Reader
A fingerprint biometric terminal for use with security and access control
systems, V-Station includes LCD display, keypad and HID 125 kHz proximity
reader. The fingerprint is verified against the template stored in the terminal
after it has been chosen by PIN or internal proximity reader. Up to 3,550
templates stored in each terminal. Operating temperature range: 32° to
140° F (0° to 60° C). Dimensions: 5.63" H x 6.63" W x 2.63" D (14.3 cm H
x 16.8 cm W x 6.7 cm D).

7 81410 49112 0
NC-BVVSTATNP

ALSO AVAILABLE:
BVVSTATNAH
V-Station Base Model with LCD & HID iClass Reader
Includes LCD display, keypad and HID iClass/OmniClass Reader. The
fingerprint is verified against the template stored in the 16K iClass or
OmniClass smart card. Unlimited users as the template is stored and
transported on the card.

7 81410 49115 1
NC-BVVSTATNH

BVVSTATNAG
V-Station Base Model with LCD & Mifare Reader
Includes LCD display, keypad and Mifare reader. The fingerprint is verified
against the template stored in the Mifare contactless smart card. Unlimited
users as the template is stored and transported on the card.

7 81410 49116 8
NC-BVVSTATNG

BVVNENC
V-Station Outdoor Enclosure Only
Dimensions: 11.5" H x 9.25" W x 5.5" D (29.2 cm H x 23.5 cm W x 14.0 cm D).
Lid lifts up and is 11.25" H x 9.25" W (28.6 cm H x 23.5 cm W).

7 81410 63000 0
NC-BVVNENC

ALSO AVAILABLE:
BVVNENCHT
V-Station Outdoor Enclosure with Heater

7 81410 62999 8
NC-BVVNENCHT

BVVNENCW
V-Station Outdoor Enclosure with Window

7 81410 62915 8
NC-BVVNENCW

BVVNENCWHT
V-Station Outdoor Enclosure with Window and Heater

7 81410 62998 1
NC-BVVNENCWH

Readers & Credentials | BIOMETRICS – FINGERPRINT READERS

7 81410 82604 5
NC-BVVPASSFX

BVVPASSFX
V-Pass™ Fingerprint Only Reader, No Card Needed for Access, Up to 500 Templates
V-Pass biometric fingerprint only reader is a biometric reader for security and access control. The unit identifies the user from up to 500 templates stored in the terminal without use of card or PIN. Operating temperature range: 32° to 140° F (0° to 60° C). Dimensions: 5.1" H x 2" W x 2.5" D (13 cm H x 5 cm W x 6.6 cm D).

7 81410 52432 3
NC-BVVPROX

BVVPROX
V-Prox™ Fingerprint Reader w/HID Prox Reader, 4,000 Templates, includes Software
V-Prox reader w/HID prox reader is a dual factor reader for security and access control. It verifies the live fingerprint for the proximity card user against the template stored in the reader and allows for Wiegand communication formats up to 64-bits. Up to 4,000 templates, includes administration software. Operating temperature range: 32° to 140° F (0° to 60° C). Dimensions: 5.1" H x 2" W x 2.5" D (13 cm H x 5 cm W x 6.6 cm D).

7 81410 62805 2
NC-BVVENC

BVVENC
V-Prox/V-Pass/V-Flex Outdoor Enclosure
Dimensions: 11.5" H x 8.07" W x 5.5" D (29.2 cm H x 20.5 cm W x 14.0 cm D) Lid lifts up and is 11.25" H x 9.25" W (28.6 cm H x 23.5 cm W).

ALSO AVAILABLE:
BVVENCHT
V-Prox/V-Pass/V-Flex Outdoor Enclosure with Heater

7 81410 61077 4
NC-BVVENCHT

7 81410 77421 6
NC-BVVENCW

BVVENCW
V-Prox/V-Pass/V-Flex Outdoor Enclosure with Window

7 81410 61001 9
NC-BVVENCWHT

BVVENCWHT
V-Prox/V-Pass/V-Flex Outdoor Enclosure with Window & Heater

7 81410 47093 4
NC-BVVSERICN
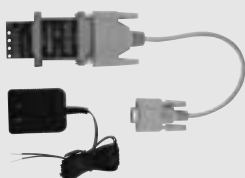
BVVSERIESCN
VeriSeries RS485 Interface
VeriSeries converter, RS232 to RS485.

7 81410 47565 6
NC-BVVSERPWR

BVVSERIESPWR
12 V Power Supply for VeriSeries Readers

HG-4

HandKey CR Hand Geometry Reader

Biometric hand geometry reader, 512 users. Operating temperature range: 32° to 113° F (0° to 45° C) with 20 to 80% relative humidity non-condensing. Dimensions: 11.65" H x 8.85" W x 8.55" D (29.6 cm H x 22.3 cm W x 21.7 cm D)

NC-HG4

ALSO AVAILABLE:
HG4ICLASS

HandKey CR Hand Geometry Reader with iClass Smart Card Reader

Biometric hand geometry reader including an iClass/OmniClass smart card reader. Templates are stored on the smart card.

NC-HG4ICLASS

HG4-PROX

HandKey Hand Geometry Reader with HID Proximity Reader

HG-4 HandKey biometric reader with internal HID proximity reader.

NC-HG4PROX

HG4-II

HandKey II Standalone Hand Geometry Reader

Standalone biometric hand geometry reader with two auxiliary and a door egress input and three auxiliary outputs, for interior usage, 512 users.

NC-HG4II

HGEN200

Ethernet Module for HG4

10Base-T with RJ-45 connector. Must be ordered at time of purchase in order to be installed at the factory. Cannot be installed in the field.

NC-HGEN200

HGHNR5

Handnet for Windows®, 5 Reader License (Includes RS485 Interface)

HandNet for Windows software is used to link HandKey units into an integrated system. All alarms and transactions will report back to a central computer in real time, making monitoring easy and efficient. System user activity reports are easily created and printed. Up to 5 readers supported.

NC-HGHNR5

ALSO AVAILABLE:
HGHNR25

Handnet for Windows, 25 Reader License (Includes RS485 Interface)

Up to 25 readers supported.

NC-HGHNR25

HGHNRUNL

Handnet for Windows, Unlimited Reader License (Includes RS485 Interface)

Unlimited number of readers supported.

NC-HGHNRUNL

Readers & Credentials | BIOMETRICS – HAND GEOMETRY READERS

ADI Ordering Information

7 81410 37013 5

NC-HG4EM801

7 81410 32489 3

NC-HG4EM800

7 81410 32490 9

NC-HG4EM803

7 81410 51860 5

NC-HG4ENC1

7 81410 43148 5

NC-HGDC103

HG4EM801
Memory Expansion for HG-4 and HG4-II
Memory expansion software key for HG-4 and HG4-II built after 2003 – 9,728 users.

ALSO AVAILABLE:
HG4EM800
Template Memory Upgrade for HG-4/HG4-II
Memory expansion EEPROM chip for HG-4 and HG4-II – 9,728 users.

HG4EM803
Template Memory Upgrade for HG-4/HG4-II
35,512 template memory upgrade for HG-4/HG4-II.

HG4ENC1
HG4 Hurricane Outdoor Enclosure
A direct weather enclosure made from high-impact ABS plastic for the HG-4 and HG4-II hand geometry readers. The generous lid offers protection from rain by opening in an upward direction. Operating temperature range: -20° to 120° F (-29° to 49° C) when using internal heater option. Dimensions: 14" H x 12" W x 10.5" D (58.5 cm H x 35.6 cm W x 29.3 cm D).

HGDC103
RS232 to 2-Wire RS485 Interface for HG4 Reader
Data converter for 2-wire system RS232 to RS485 with 120 V, 60 Hz power supply.

122   www.honeywellaccess.com

NR-1-WR
Exterior/Interior Magnetic Stripe Reader, Track 2
Track 2 magnetic stripe card reader for interior or exterior use. Metal construction (cast zinc) for heavy duty applications. Surface mount. Supports NC format 32-bit Wiegand and ABA track 1 encoding (consult factory for special configurations when using existing ABA encoded cards). Dimensions: 1.5" H x 1.6" W x 6.25" D (3.9 cm H x 4.0 cm W x 16 cm D). Operating temperature range: -40° to 185° F (-40° to 85° C).

ALSO AVAILABLE:
NR-2-WR
Exterior/Interior Magnetic Stripe Reader, Track 1

7 81410 24714 7
NC-NR1WR

7 81410 25286 8
NC-NR2WR

NC-2
NC Magnetic Stripe Card (32-Bit)
Magnetic stripe cards with 32-bit NC encoding. Designed to work with the NR-5 magnetic stripe readers. Encoded on high-energy magnetic stripe for long life. Includes hot stamp number equal to encoded number. Dimensions: 2.125" H x 3.375" W x .030" T (5.398 cm H x 8.573 cm W x .079 cm T).
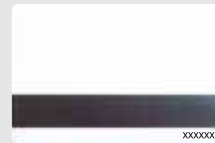
ALSO AVAILABLE:
NC-2/26

Magnetic Stripe Card (26-Bit)

Magnetic stripe card with 26-bit encoding. Designed to work with the NR-5 magnetic stripe readers.

NC2ABA
ABA Format Encoded Magnetic Stripe Card
Magnetic stripe card with ABA format.

7 81410 27609 3
NC-NC2

7 81410 25240 0
NC-NC226

7 81410 35228 5
NC-NC2ABA

NC-NPC2

NC-NPC3

NC-NPC4

NC-PVCM1

NC-PVCM2

NC-PVCM4

NPC-2
Magnetic Stripe Small Photo ID Card (32-Bit)
1/4 size photo-ID slot magnetic stripe cards. Designed to work with NR-5 magnetic stripe readers. Encoded on high-energy magnetic stripe for long life. Includes hot stamping number equal to encoded number. Photo slot dimensions: 1.25" H x 1" W (3.2 cm H x 2.55 cm W). Card dimensions: 2.125" H x 3.375" W (5.398 cm H x 8.573 cm W).

NPC-3
Magnetic Stripe Full Photo ID Card (32-Bit)
Full size photo-ID slot magnetic stripe cards. Designed to work with the NR-5 magnetic stripe reader. Encoded on high-energy magnetic stripe for long life. Includes hot stamping number equal to encoded number. Photo slot dimensions: 2.75" H x 1.75" W (7.0 cm H x 4.5 cm W). Card dimensions: 2.125" H x 3.375" W (5.398 cm H x 8.573 cm W).

ALSO AVAILABLE:
NPC-4
UV Magnetic Stripe Badging Card (32-Bit)
Full-size photo magnetic stripe cards. Designed to work with the NR-5 magnetic stripe reader. Encoded on high-energy magnetic stripe for long life. The laminate material is UV rated to provide for less bleeding and a longer card life. Includes hot stamping number equal to encoded number. Photo slot dimensions: 2.75" H x 1.75" W (7.0 cm H x 4.5 cm W). Card dimensions: 2.125" H x 3.375" W (5.398 cm H x 8.573 cm W).

PVC-M-1
Magnetic Stripe Encoded PVC Card with Printed Number (32-Bit)
Plain white PVC high-energy magnetic stripe card. This card can be used with all PVC printers. Dimensions: 2.125" H x 3.375" W x .030" D (5.398 cm H x 8.573 cm W x .076 cm D).

ALSO AVAILABLE:
PVC-M-2
Magnetic Stripe PVC Card, No Hot Stamp (32-Bit)

PVC-M-4
PVC 3 Track Low Coercivity, Not Encoded, Blank

Readers & Credentials | WIEGAND READERS

HU/W3100340 (formerly CR-1)
Wiegand Swipe Reader, Black
Black Wiegand swipe card reader. Can be used exterior or interior.
Surface mount. Compatible with all Wiegand cards except the SC-2-A
and NC-1100008. Dimensions: 2.3" H x 5.3" W x 1.7" D (6.0 cm H x
13.6 cm W x 4.5 cm D).

7 81410 77221 2
HU-W3100340

ALSO AVAILABLE:
HU/W3100500 (formerly CR-1B)
Wiegand Swipe Reader, Beige
Beige Wiegand swipe card reader. Can be used exterior or interior. Surface
mount. Compatible with all Wiegand cards except the SC-2-A and
NC-1100008. Dimensions: 2.3" H x 5.3" W x 1.7" D (6.0 cm H x 13.6 cm W
x 4.5 cm D).

7 81410 77249 6
HU-W3100500

HU/W3152540 (formerly AR-1)
Epic Reader Black
Black ergonomic design Wiegand swipe reader using the same mounting
pattern as the HU/W3100340 (standard Wiegand swipe reader). Compatible
with all Wiegand cards except the SC-2-A and NC-1100008. Dimensions:
2.63" H x 5.88" W x 1.75" D (6.67 cm H x 14.93 cm W x 4.45 cm D).
Operating temperature range: -40° to 158° F (-40° to 70° C).

7 81410 34828 8
HU-W3152540

HU/W3121260 (formerly CI-1)
Wiegand Insertion Reader
Wiegand insertion card reader. Can be used exterior or interior. Flush mount
on a triple gangbox using mounting plate (CI-MP). Compatible with all
Wiegand cards except the SC-2-A and NC-1100008. Dimensions: 2.0" H
x 3.2" W x 3.0" D (5.1 cm H x 8.2 cm W x 7.6 cm D).

7 81410 77269 4
HU-W3121260

HU/W3121510 (formerly CI-MP)
Card Insert Reader Mounting Plate
Mounting plate for the HU/W3121260 Wiegand insertion card readers.
Fits triple gang 3.5" (8.89 cm) deep box.

7 81410 37044 9
HU-W3121510

Readers & Credentials |

HU-W3130180

HU-W5084400

HU-W3131550

HU-W2803001

HU-W3141650
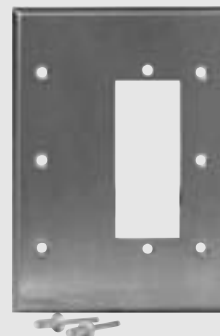
HU/W3130180 (formerly KR-1)
Wiegand Key Reader
Wiegand key insertion reader for exterior or interior use. Flush mount using mounting plate (HU/W3131550). Compatible with all Wiegand keys. Dimensions: 1.62" H x 1.5" W x 2.25" D (4.1 cm H x 3.8 cm W x 5.7 cm D).

ALSO AVAILABLE:
HU/W5084400 (formerly KR-ES)
Key Reader Escutcheon
The escutcheon, or trim piece, around the HU/W3130180 Wiegand key reader.

HU/W3131550 (formerly KR-MP)
Single Gang Key Reader Mount Plate
Single gang mounting kit for HU/W3130180 insertion reader. Brushed stainless steel.

HU/W2803001 (formerly TR-1)
Wiegand Turnstile Reader, Black

Wiegand turnstile card reader can be used exterior or interior. Compatible with all Wiegand cards except the SC-2-A and NC-1100008. Dimensions: 1.75" H x 7.0" W x 1.75" D (4.5 cm H x 17.8 cm W x 4.5 cm D).

ALSO AVAILABLE:
HU/W3141650 (formerly TR-1/CHROME)
Wiegand Turnstile Reader, Chrome

Readers & Credentials | WIEGAND CREDENTIALS

SC-2
Wiegand Card, Hot Stamp (26-Bit)

Wiegand 26-bit NC format card with printed number on card equal to encoded number. Compatible with all Wiegand readers except the CI-2 or NC-2802001. SC-2 cards feature Northern artwork and logo. Dimensions: 3.375" H x 2.125" W (8.573 cm H x 5.398 cm W).

NC-SC2
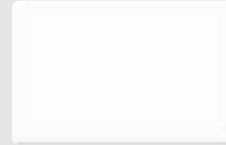
ALSO AVAILABLE:
SC-1
Wiegand Card, No Hot Stamp (26-Bit)
Wiegand 26-bit NC format card with no numbers stamped on card. Compatible with all Wiegand readers except the CI-2 or NC-2802001. SC-1 cards feature Northern artwork and logo. Dimensions: 3.375" H x 2.125" W (8.573 cm H x 5.398 cm W).

NC-SC1

PVC-W-3
Wiegand PVC Card, 2 Side Printable, Glossy (26-Bit)
Wiegand card (26-bit) with two glossy sides to print on using the PVC printer (can be used with all PVC printers). No hot stamped number. Compatible with all Wiegand readers except the CI-2. Dimensions: 3.375" H x 2.125" W (8.573 cm H x 5.398 cm W).

NC-PVCW3

ALSO AVAILABLE:
PVC-W-4
Wiegand/Magnetic Stripe Card, 1 Side Printable, Hot Stamp, Glossy (26-Bit)

Wiegand card (26-bit) with one glossy side to print on using the PVC printer (can be used with all PVC printers). Printed number on card equals the encoded number. Compatible with all Wiegand readers except the CI-2. Dimensions: 3.375" H x 2.125" W (8.573 cm H x 5.398 cm W).

NC-PVCW4
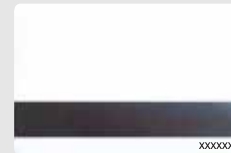
KI-2
Wiegand Key, Matching Number, Hot Stamp (26-Bit)

Wiegand 26-bit NC format insertion key. With printed number equal to encoded number. Compatible with all Wiegand key insertion readers. Dimensions: 3.25" H x 1" W (8.255 cm H x 2.54 cm W).

NC-KI2
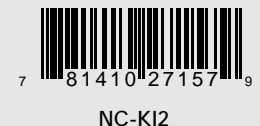
ALSO AVAILABLE:
KI-1
Wiegand Key, No Hot Stamp (26-Bit)
With no numbers stamped on key.

NC-KI1

KI-1-CRS
Wiegand Key, Cross Reference, Hot Stamp (26-Bit)
With cross referenced hot stamped number.

NC-KI1CRS

Readers & Credentials | KEYPADS

ADI Ordering Information

NC-KP11

7 81410 26887 6

NC-KP1126

7 81410 26879 1

NC-KP13

7 81410 26883 8

NC-KP1326

7 81410 26891 3

NC-KP13BRA

7 81410 26888 3

NC-KP13BRS

7 81410 26889 0

NC-KP13ILL

7 81410 26890 6

KP-11
Exterior/Interior Piezo Keypad 5 Wire Matrix (32-Bit), Stainless
Exterior or interior keypad. Brushed stainless steel, piezo electric with audio and visual feedback, 32-bit Wiegand style output, mounts on a single gangbox. Dimensions: 5.125" H x 3.375" W x .5" D (13.02 cm H x 8.57 cm W x 1.27 cm D). Operating temperature range: -40° to 160° F (-40° to 71° C).

ALSO AVAILABLE:
KP-11-26
Exterior/Interior Piezo Keypad 5 Wire Matrix (26-Bit), Stainless
26-bit Wiegand style output, mounts on a single gangbox.
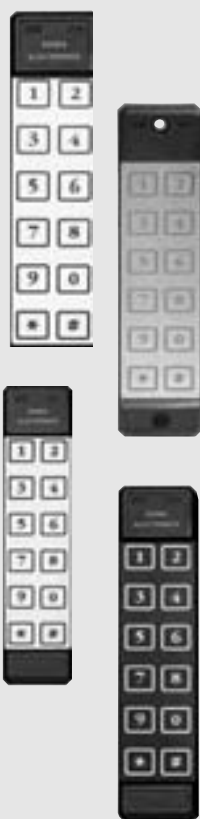
KP-13
Exterior/Interior 2 x 6 Mullion Keypad 5 Wire Matrix (32-Bit)
Exterior or interior 5 conductor, 32-bit Wiegand keypad suitable for mounting on mullion frames. The keypad area uses a stainless steel overlay. Dimensions: 7.5" H x 1.75" W x .75" D (19.05 cm H x 4.45 cm W x 1.91cm D). Operating temperature range: -40° to 158° F (-40° to 70° C).

ALSO AVAILABLE:
KP-13-26
Exterior/Interior 2 x 6 Mullion Keypad 5 Wire Matrix (26-Bit)

Exterior or interior 5 conductor, 26-bit Wiegand keypad suitable for mounting on mullion frames. The keypad area uses a stainless steel overlay. Dimensions: 7.5" H x 1.75" W x .75" D (19.05 cm H x 4.45 cm W x 1.91 cm D). Operating temperature range: -40° to 158° F (-40° to 70° C).

KP-13-BRA
Exterior/Interior 2 x 6 Mullion Keypad 5 Wire Matrix, Braille Face Plate
The keypad area uses a braille overlay.

KP-13-BRS
Exterior/Interior 2 x 6 Mullion Keypad 5 Wire Matrix, Brass Face Plate
The keypad area uses a brass overlay.

KP-13-ILL
Exterior/Interior 2 x 6 Mullion Keypad 5 Wire Matrix, Illuminated Face Plate
The keypad area uses an illuminated, translucent Lexan overlay. Requires a separate 5V @ 200 mA DC supply if more than one keypad or reader is used in the panel for illumination and keypad operation.

Readers & Credentials | KEYPADS

KP-10

Exterior/Interior Piezo Matrix Keypad, Stainless

Exterior or interior keypad. Brushed stainless steel, piezo electric with audio and visual feedback, 12 wire hook-up, mounts on a single gang box. Used only with the N-1000-II, III and IV in card and pin configuration. Dimensions: 5.125" H x 3.375" W x .5" D (13.02 cm H 8.57 cm W x 1.27 cm D). Operational temperature range: -40° to 160° F (-40° to 71° C).

ALSO AVAILABLE:
KP-10-BRASS

Exterior/Interior Piezo Matrix Keypad, Brass Face Plate

Shiny brass finish on bezel - brushed brass on touchpad.

7 81410 26885 2
NC-KP10
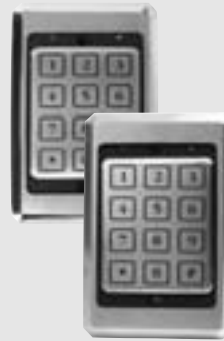
7 81410 26886 9
NC-KP10BRS

KP-12

Exterior/Interior 2 x 6 Mullion Matrix Keypad, Stainless

Exterior or interior 11 conductor keypad suitable for mounting on mullion frames. The keypad area uses a stainless steel overlay. Used only with the N-1000-II, N-1000-III and N-1000-IV in card and pin configuration. Dimensions: 7.5" H x 1.75" W x .75" D (19.05 cm H x 4.45 cm W x 1.91 cm D). Operating temperature range: -40° to 158° F (-40° to 70° C).

ALSO AVAILABLE:
KP-12-BRA

Exterior/Interior 2 x 6 Mullion Matrix Keypad, Braille Face Plate

The keypad area uses a braille overlay.

7 81410 26875 3
NC-KP12

7 81410 26876 0
NC-KP12BRA

KP-12-BRS
Exterior/Interior 2 x 6 Mullion Matrix Keypad, Brass Face Plate

The keypad area uses a brass overlay.
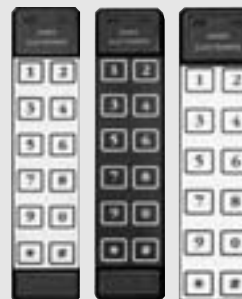
KP-12-ILL
Exterior/Interior 2 x 6 Mullion Matrix Keypad, Illuminated Face Plate

The keypad area uses an illuminated, translucent Lexan overlay.

7 81410 26884 5
NC-KP12BRS

7 81410 26892 0
NC-KP12ILL

NC-BR7

NC-BRVL

BR-7
Barcode Reader Exterior/Interior, Infrared
Weather resistant, surface mount, bi-directional, infrared barcode swipe reader with cast aluminum housing and red/green LED. Reads most barcode formats including code 39 and interleaved 2 of 5. Standard outputs are 5 digit Wiegand (card number 1-65,535) and up to 12 digits (card number 1-999,999,999,999). To ensure proper operation on existing cards, sample cards should be sent to the factory for verification and proper format programming. Dimensions: 2" H x 6" W x 1.75" D (5.08 cm H x 15.24 cm W x 4.445 cm D).

ALSO AVAILABLE:
BR-VL
Barcode Reader Exterior/Interior, Visible Light
Weather resistant, surface mount, bi-directional, visible light barcode swipe reader with cast aluminum housing and red/green LED. All other specifications equivalent to BR-7.

BARCODE CREDENTIALS

BC-2
Barcode Card, Code 39
Barcode cards encoded code 39 for use with the BR-7 barcode reader.
Dimensions: 2.125" H x 3.375" W (5.398 cm H x 8.573 cm W).
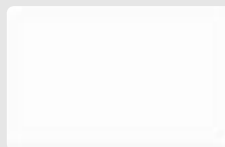
7 81410 31482 5
NC-BC2

BCP-2
Barcode Card with Photo Flap and Mask, Code 39
Barcode cards encoded code 39 with photo flap for use with the BR-7
barcode reader. The BCP-2 has a mask to prevent copying of cards
for greater security. Dimensions: 2.125" H x 3.375" W (5.398 cm
H x 8.573 cm W).

7 81410 31484 9
NC-BCP2

ALSO AVAILABLE:
BCP-2-SPEC
Barcode Card with Photo Flap and Mask, Code 39

7 81410 31485 6
NC-BCP2SPEC

BC-2-M
Barcode Card with Mask, Code 39

7 81410 31483 2
NC-BC2M

BC-LBL
Barcode Label, 32/Sheet, Code 39
Barcode labels for use with the BR-7 barcode reader. Consists of a sheet
of 32 peel off barcode labels. Dimensions: .625" H x 3" W (1.59 cm H x
7.62 cm W).

7 81410 30674 5
NC-BCLBL

7 81410 26820 3

NC-LINKEY1

7 81410 28127 1

NC-LINKEY2

7 81410 51865 0

NC-LINKEY4

7 81410 26819 7

NC-LINVSR1

7 81410 31009 4

NC-LINVSR2

7 81410 28126 4

NC-LINREC

LIN-KEY-1
Single Button Transmitter, Key Ring Style for LIN-REC
Single button (1 channel) key ring transmitter for the LIN-REC. Black case with gray button. Powered by two-3V DL-1616 lithium batteries (included). 318 MHz transmitter frequency. Individually numbered at the factory with random code numbers. Dimensions: 1.25" H x 2.25" W x .48" D (3.18 cm H x 5.72 cm W x 1.22 cm D).

ALSO AVAILABLE:
LIN-KEY-2
Dual Button Transmitter, Key Ring Style for LIN-REC
Dual button (2 channels) key ring transmitter for the LIN-REC.

LINKEY4
Linear 4 Channel Transmitter
Four-button (4 channels) key ring transmitter for the LIN-REC.
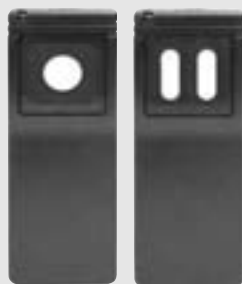
LIN-VSR-1
Single Button Transmitter, Visor Style for LIN-REC
Single button (1 channel) visor clip transmitter for the LIN-REC. Black case with gray button. Powered by two-3V DL-1616 lithium batteries (included). 318 MHz transmitter frequency. Individually numbered at the factory with random code numbers. Dimensions: 1.6" W x 4.2" H x .8" D (4.064 cm W x 10.68 cm H x 2.032 cm D).

ALSO AVAILABLE:
LIN-VSR-2
Dual Button Transmitter, Visor Style for LIN-REC
Dual button (2 channels) visor clip transmitter for the LIN-REC.

LIN-REC
Reader/Receiver for LIN-KEY and LIN-VSR Transmitters
Reader/receiver for the LIN-KEY-1, LIN-KEY-2, LIN-VSR-1 and LIN-VSR-2 transmitters. LIN-REC has a Wiegand output. Reader enclosure is weather-resistant black anodized aluminum with removable end cap to provide wiring and switch setting access; end caps secured with screws. Power requirements: 6-24 VDC unregulated or 5 VDC regulated with a current draw of 17 mA. Dimensions: 6.25" H x 4.25" W x 2.5" D with 10" antenna (15.88 cm H x 10.8 cm W x 6.35 cm D with 25.4 cm antenna).

Readers & Credentials | CARD ACCESSORIES

PVC-NT-1

No-Technology PVC Card

Plain white PVC card with no access control technology. For badging only. This card can be used with all PVC printers. Dimensions: 2.125" H x 3.375" W (5.398 cm H x 8.573 cm W).

7 81410 27650 5

NC-PVCNT1

PF-4-VERT

Vertical UV Photo ID Flap

Vertical self-adhesive UV photo flap. Allows standard cards to be photo ID cards in a vertical orientation.

7 81410 26784 8

NC-PF4VERT

PF-4-HORZ

Horizontal UV Photo ID Flap

Horizontal self-adhesive UV photo flap. Allows standard cards to be photo ID cards in a horizontal orientation.

7 81410 27643 7

NC-PF4HORZ

PIP-1

Vertical Card Pouch

Vertical card pouch with metal clip. This pouch is designed to work with standard size cards.

7 81410 26622 3

NC-PIP1

PIP-2

Horizontal Card Pouch

Horizontal card pouch with metal clip.

7 81410 26621 6

NC-PIP2

PIP-4

Frosted Rigid Plastic Badge Holder

Durable plastic card holder designed to work with standard size cards.

7 81410 26618 6

NC-PIP4

PIP-5

Vertical Card Holder with Clip Hole

Durable plastic card holder with convenient clip holder, designed to work with standard size cards.

7 81410 29445 5

NC-PIP5

Readers & Credentials | CARD ACCESSORIES

7 81410 26624 7
NC-BC1

BC-1
Badge Clips
Badge clips for photo ID cards. Metal clip with plastic band and metal snap.

7 81410 25017 8
NC-BC3

BC-3
Badge Clip with Adhesive
Badge clip with adhesive back for use with proximity cards. The badge clip may interfere with insertion or swipe card readers depending on mounting location.

7 81410 34229 3
NC-BCRETRACT

BCRETRACT
Retractable Coil Badge Holder with Clip
Retractable coil badge holder with clip.

7 81410 45318 0
NC-NCKCHN30

7 81410 26623 0
NC-NCKCHN36

NCKCHN30
30" Neck Chain, Silver
Neck chain with silver finish. Length: 30" (.76m).

ALSO AVAILABLE:
NCKCHN36
36" Neck Chain, Silver
Neck chain with silver finish. Length: 36" (.91m).

7 81410 26619 3
NC-NCKLNRDBA

7 81410 38955 7
NC-NCKLNRDBK

7 81410 45146 9
NC-NCKLNRDNB

NCKLNRDBA
35" Break Away Neck Lanyard, Royal Blue
Break away, flat woven neck lanyard.
Dimensions: .375" W x 35" L (.95 cm W x 88.9 cm L).

ALSO AVAILABLE:
NCKLNRDBK
35" Break Away Neck Lanyard, Black

NCKLNRDNB
35" Break Away Neck Lanyard, Navy Blue

Readers & Credentials | CARD ACCESSORIES

CP-1
Card Punch
Hand-held card punch for making slots in cards for badge clips.

7 81410 26617 9
NC-CP1

CP-5
Manual Desktop Card Punch
Stapler-style slot punch with slot receptacle. Slot size: .125" L x .625" W
(3 mm L x 16 mm W).

7 81410 26616 2
NC-CP5

CP7
Desktop Card Punch
Stapler-style slot punch with adjustable centering guides to provide a
consistent positioning of the slot. Slot size: .125" L x .550" H
(3 mm L x 14 mm W).

7 81410 44941 1
NC-CP7

Readers & Credentials | READER ACCESSORIES

ADI Ordering Information

NC-SPX2W
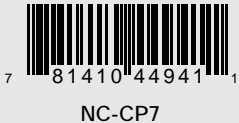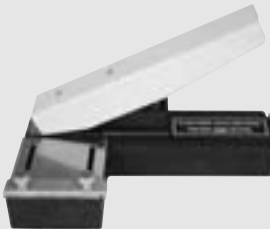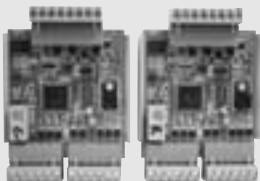
SPX-2-W
Wiegand Extender

Extends Wiegand communications up to 10,000' using a single twisted pair. The system supports from 24 to 36 data bits and has a SPST relay at the remote unit that is energized when the reader LED is energized. The central unit provides an alarm relay to indicate if power or communication is lost at the remote unit. Requires 8-24 VDC power supply (HPS123).

NC-PEDGA1

PED-GA-1
Gooseneck Adapter Plate, White

Adapter plate is 4" H x 4" W (10.16 cm H x 10.16 cm W) that screws on to the goose neck (PED-GS-1). The plate has 4.25" H x 20" W (.635 cm H x 50.8 cm W) threaded holes to allow mounting of your own adapter piece.
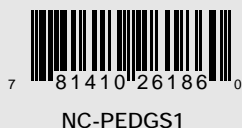
NC-PEDGS1

PED-GS-1
42" Gooseneck White Post, White

42" H (1.06m H) high gooseneck post. 2" W (5.08 cm W) pipe.
Use adapter plate (PED-GA-1) to mount adapter.

NC-PEDGS2

PED-GS-2
36" Gooseneck White Post

36" H (.914m H) high gooseneck post. 2" W (5.08 cm W) pipe.
Use adapter plate (PED-GA-1) to mount adapter.

Notes

Notes

Locks & Egress Devices

Through a strategic working relationship, Honeywell offers locking and egress solutions to fit any application. All products have been tested with Honeywell products and provide an excellent opportunity for dealers to increase their revenue on their next installation.

THIS SECTION INCLUDES:

Magnetic Locks

Door Strikes

Egress Devices

Locks & Egress |

MAGNETIC LOCKS

Honeywell magnetic locks provide reliable and affordable locking options. Our magnetic locks have been tested with all Honeywell control panels to assure that they will work properly every time. Additionally, Honeywell locks include standard mounting templates that take the fear out of drilling into a door. All locks are UL Listed and meet the needs of most applications.

ADI Ordering Information

7 81410 32752 8
NC-ML8005

ML-8005
Single Door Small Magnet, 650 lbs
Designed to accommodate low door clearance or minimum security applications. Holding force: 650 lbs (295 kg) Current draw: 415 mA @ 12 VDC, 215 mA @ 24 VDC. Lock size: 1.625" H x 10" W x 1" D (4.2 cm H x 25.0 cm W x 2.5 cm D). Armature dimensions: 1.5" H x 7.25" W x .5" D (3.8 cm H x 18.5 cm W x 1.2 cm D).

7 81410 26300 0
NC-ML8011LC2
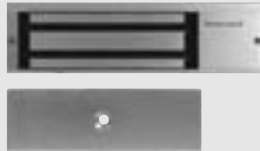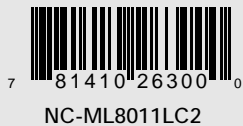
ML8011-LC-US28
Magnetic Lock, 1,200 lbs
UL Listed magnetic door lock for a single door with 1,200 lbs (544 kg) holding force, operates on 12/24 VDC .2 A current draw and comes with a US28 (satin stainless) finish. Lock dimensions: 2.625" H x 10.5" W x 1.625" D (6.67 cm H x 26.67 cm W x 4.13 cm D). Armature dimensions: 2.5" H x 7" W x .375" D (6.35 cm H x 17.78 cm W x .95 cm D).

7 81410 26296 6
NC-ML8011LC4

ALSO AVAILABLE:
ML8011-LC-US40
Magnetic Lock, 1,200 lbs
US40 (brown aluminum) finish.

7 81410 26299 7
NC-ML8011LCR

ML8011-LCR-US28
Magnetic Lock, 1,200 lbs with Bond Sensor
US28 (satin stainless) finish.

7 81410 29965 8
NC-ML8011LR4
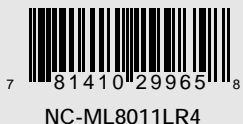
ML8011-LCR-US40
Magnetic Lock, 1,200 lbs with Bond Sensor
US40 (brown aluminum) finish.

7 81410 26298 0
NC-ML80112U2

ML8011-002-US28
Magnetic Lock, 1,500 lbs with Door Sensor Switch
UL Listed magnetic door lock with door sensor switch for a single door with 1,500 lbs (680 kg) holding force, operates on 12/24 VDC .2 A current draw and comes with a US28 (satin stainless) finish. Lock dimensions: 2.625" H x 10.5" W x 1.625" D (6.67 cm H x 26.67 cm W x 4.13 cm D). Armature dimensions: 2.5" H x 7" W x .375" D (6.35 cm H x 17.78 cm W x .95 cm D).

7 81410 26280 5
NC-ML80112U4
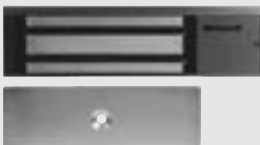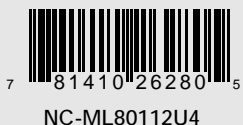
ALSO AVAILABLE:
ML8011-002-US40
Magnetic Lock, 1,500 lbs with Door Sensor Switch
US40 (brown aluminum) finish.

ML8022-LC-US28
Magnetic Lock for Double Doors, 1,200 lbs
UL Listed magnetic door lock for a double door with 1,200 lbs (544 kg) holding force, operates on 12/24 VDC .5 A current draw and a US28 (satin stainless) finish. Lock dimensions: 2.625" H x 21" W x 1.625" D (6.68 cm H x 53.6 cm W x 4.13 cm D). Armature dimensions: 2.375" H x 7.25" W x .625" D (6.0 cm H x 19.0 cm W x 1.6 cm D).

7 81410 26293 5
NC-ML8022LCU

ML8022-002-US28
Magnetic Lock for Double Doors, 1,500 lbs
UL Listed magnetic door lock for a pair of doors with 1,500 lbs (544 kg) holding force, operates on 12/24 VDC .4 A current draw and a US28 (satin stainless) finish. Lock dimensions: 2.625" H x 21" W x 1.625" D (6.68 cm H x 53.6 cm W x 4.13 cm D). Armature dimensions: 2.375" H x 7.25" W x .625" D (6.0 cm H x 19.0 cm W x 1.6 cm D).

7 81410 26294 2
NC-ML8022002

MB21021-2-US28
Adjustable Angle Bracket for ML8011 Series Locks
Adjustable angle bracket for ML8011 series locks in a US28 satin aluminum finish. Dimensions: 1.5" H x 2.375" W (3.81 cm H x 6.03 cm W).
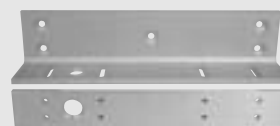
7 81410 26288 1
NC-MB2102128

MB21021-US28
Angle Bracket for ML8011 Series Locks
Angle bracket for ML8011 series locks in a US28 satin aluminum finish. Dimensions: 1" H x 1.5" W x .3125" D (2.54 cm H x 3.8 cm W x .795 cm D).

7 81410 26289 8
NC-MB210212U

MB21031-US28
Z-Bracket for ML8011 Series Locks
Angle bracket for ML8011 series locks. US28 satin aluminum finish. Dimensions: 1" H x 1.5" W x .3125" D (2.54 cm H x 3.8 cm W x .795 cm D).

7 81410 26297 3
NC-MB21031US

MB21034-US28
Tamper-proof Z-Bracket for ML8011 Series Locks
Tamper-proof Z-bracket for in-swinging or out-swinging doors using the ML8011 series locks. US28 satin aluminum finish.
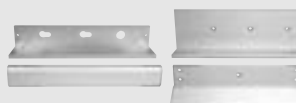
7 81410 26282 9
NC-MB21034US

MB21001-US28
Filler Plate for ML8011 Series Locks, 1/2" X 3/4"
1/2" x 3/4" or 3/4" x 1/2" filler plate for ML8011 series locks. US28 satin aluminum finish.

7 81410 26295 9
NC-MB21001US

MB21005-US28
Filler Plate for ML8011 Series Locks, 5/8" X 3/4"
5/8" x 3/4" or 3/4" x 5/8" filler plate for ML8011 series locks. US28 satin aluminum finish.

7 81410 26292 8
NC-MB2100528

Locks & Egress | DOOR STRIKES / EGRESS
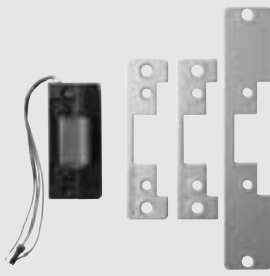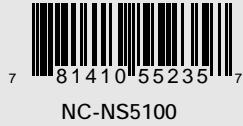
NC-NS5100

NS5100
Dual Voltage Electric Door Strike, 3 Face Plates
Dual voltage electric door strike providing over 1,300 lbs. of holding force. Fail-secure/fail-safe field reversible. The NS5100 is .38A @ 12 VDC or .19A @ 24 VDC. Strike includes three face plates for use with hollow metal, wood or aluminum frames. Adjustable keeper and small backbox fit almost any application. Retrofit existing doors or lock replacements with included neoprene filler. Backbox: 3.375" H x 1" W x 1.345" D. Keeper pocket: 1.4375" H x .5" D x .6875–.8125" W (adjustable).

NC-SMARTBAR

SMART-BAR
36" Electronic Smart Touch Sensor Bar Exit Device, 12/24 VDC, IR Beam Activation
The smart touch sensor bar provides a clean, contemporary design. The bar uses two redundant detection systems to sense an exit request. The first is a capacitance touch sense when a person touches the metal portion of the bar. The second is an invisible infrared light beam, which is directed across the front of the bar. The bar is constructed of heavy-duty aluminum extrusion. Requires 12/24 VDC linear power supply. Dimensions: 2.5" H x 36" W x 3.25" D (6.4 cm H x 91 cm W x 8.3 cm D).

Locks & Egress | EGRESS

0-000-361-01 (formerly IS310WH)
Curtain PIR, White
Request to exit PIR with up to 10' (3.05m) coverage. Two Form C contacts can be adjusted from .25 to 60 seconds. Temperature range: -20° to 120° F (-29° to 49° C). UL 294 Listed. Power requirements: 12/24 VAC or VDC. Dimensions 1.5" H x 6.25" W x 1.5" D (3.8 cm H x 15.8 cm W x 3.8 cm D).

ALSO AVAILABLE:
0-000-361-02 (formerly IS310BL)
Curtain PIR, Black

7 81410 38264 0
NC-IS310WH

7 81410 38267 1
NC-IS310BL

PEXBHON1
Piezoelectric Request to Exit Button - Single Gang (Honeywell Logo)
U.S. single gang mount stainless steel exit button. Designed for indoor and outdoor use, feature an illuminated ring that changes color when the button is touched. Dimensions: 4.5 in x 2.75 in x 1.25 in (11.4 cm x 7.0 cm x 3.2 cm).

7 81410 86649 2
NC-PEXBHON1

ALSO AVAILABLE:
PEXBGEN1
Piezoelectric Request to Exit Button - Single Gang (No Logo)

7 81410 86650 8
NC-PEXBGEN1

PEXBHON2
Piezoelectric Request to Exit Button - Mullion (Honeywell Logo)
Mullion mount stainless steel exit button. Dimensions: 4.5 in x 1.75 in x 1.25 in (11.4 cm x 4.4 cm x 3.2 cm).

7 81410 86651 5
NC-PEXBHON2

PEXBGEN2
Piezoelectric Request to Exit Button - Mullion (No Logo)

7 81410 86654 6
NC-PEXBGEN2

EXB-1
Egress Button
Exit button with a single gang stainless steel mounting plate, DPDT. Can be configured with momentary or latching contact status. Temperature range: 32° to 158° F (0° to 70° C). Dimensions: 4.5" H x 2.75" W x 2.13" D (11.43 cm H x 6.99 cm W x 5.40 cm D).
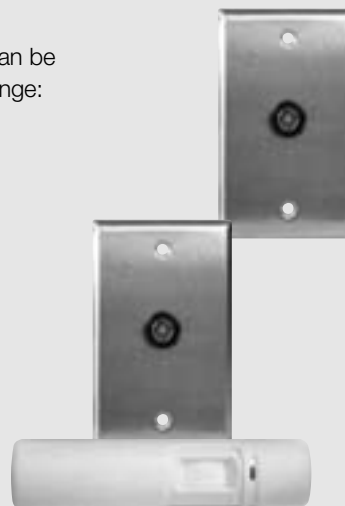
7 81410 24584 6
NC-EXB1

EGRESSK1
PIR and Request to Exit Button Kit
Includes PIR (IS310WH) and egress button (EXB-1).

7 81410 37543 7
NC-EGRESSK1

Locks & Egress | EGRESS

7 81410 26418 2
NC-R1010

R1010
Switch Manual Release
Switch with momentary contact and key-symbol, white color. Dimensions: 2.375" H x 2.375" W x .625" D (6.1 cm H x 6.1 cm W x 1.5 cm D).

7 81410 26417 5
NC-R9300US28

7 81410 26395 6
NC-R9300US40

R9300-US28
Momentary Exit Switch
Momentary aluminum exit switch with blue push button. Satin stainless finish. Dimensions: 4.75" H x 3" W x .25" D (12 cm H x 7.6 cm W x .6 cm D).

ALSO AVAILABLE:
R9300-US40
Momentary Exit Switch
Brown aluminum finish.

7 81410 26415 1
NC-R9400US28

7 81410 29291 8
NC-R9400US40

R9400-US28
1-1/2" Cap Exit Switch
Momentary 1.5" mushroom aluminum exit switch (red mushroom cap) with satin stainless finish. Dimensions: 4.75" H x 3" W x .25" D (12 cm H x 7.6 cm W x .6 cm D).

ALSO AVAILABLE:
R9400-US40
1-1/2" Cap Exit Switch
Brown aluminum finish.

7 81410 26398 7
NC-R9600US28

7 81410 26401 4
NC-R9600US40

R9600-US28
2-3/8" Cap Exit Switch
Momentary 2.375" mushroom aluminum exit switch (red mushroom cap) with satin stainless finish. Dimensions: 4.75" H x 3" W x .25" D (12 cm H x 7.6 cm W x .6 cm D).

ALSO AVAILABLE:
R9600-US40
2-3/8" Cap Exit Switch
Brown aluminum finish.

Cable

Honeywell provides a full range of low-voltage cable options for access control. All cables have been tested to ensure contact integrity, high mechanical strength and long-lasting service. Honeywell cables are color-coded for device identification of panels, readers, communications and alarm circuits.

Cable | NON-PLENUM

PRODUCT USAGE GUIDE

Product Use	Color	AWG	# of Cond.	NON-PLENUM 500 Feet	NON-PLENUM 1,000 Feet	PLENUM 1,000 Feet
Panel Communications (RS485)	Tan	24	4	NC2441-TN-500	NC2441-TN	NCP2441-TN
Reader Cable	Blue	18	6	NC1861-BL-500	NC1861-BL	NCP1861-BL
Reader (No LED Control)	Gray	18	4	N/A	NC1841-GY	NCP1841-GY
Keypad (10-Wire Matrix)	Yellow	18	12	NC18121-YL-500	NC18121-YL	NCP18121-YL
Door Contact & PIR	Pink	18	6	N/A	NC1861-PK	NCP1861-PK
Power - Locking Hardware	Orange	18	2	N/A	NC1821-OR	NCP1821-OR
Alarm Points	Brown	22	2	N/A	NC2221-BR	NCP2221-BR

ADI Ordering Information

7 81410 68443 0
NC-NC2441TN

7 81410 76624 2
NC-NC2441TN5

7 81410 29912 2
NC-NC1861BL

7 81410 29913 9
NC-NC1861BL5
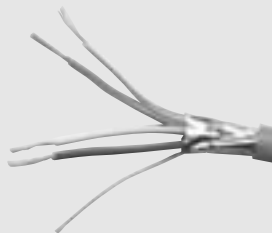
NC2441-TN
24AWG/4 Conductor Panel/Communications Cable, Tan – 1000'
1000' (304.8m) of tan PVC-jacketed cable used for RS485 communication interface to control panels. Four conductor twisted 24 AWG stranded copper wire with overall foil shield and a 24 AWG tinned copper drain wire. Nominal impedance of 120 ohms and nominal capacitance of 12.7 pf/ft.

ALSO AVAILABLE:
NC2441-TN-500
24AWG/4 Conductor Panel/Communications Cable, Tan – 500'
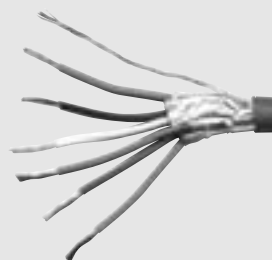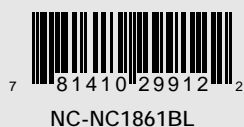
NC1861-BL
18AWG/6 Conductor Reader Cable, Blue – 1000'
1000' (304.8m) of blue PVC-jacketed cable used for readers and Wiegand style keypads (KP-11 or KP-13). Six conductors of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.

ALSO AVAILABLE:
NC1861-BL-500
18AWG/6 Conductor Reader Cable, Blue – 500'

Cable | NON-PLENUM
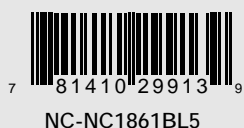
NC1841-GY
18AWG/4 Conductor Reader Cable, Gray – 1000'
1000' (304.8m) of gray PVC-jacketed cable used for readers that do not require the LED line or use an external power supply at the reader. Can also be used for PIR power and contact. Four conductors of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.

7 81410 29911 5
NC-NC1841GY
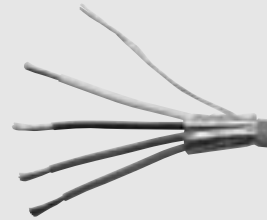
NC18121-YL
18AWG/12 Conductor Keypad Cable, Yellow – 1000'
1000' (304.8m) of yellow PVC-jacketed cable used for the KP-10 or KP-12 keypads. Twelve conductors of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.
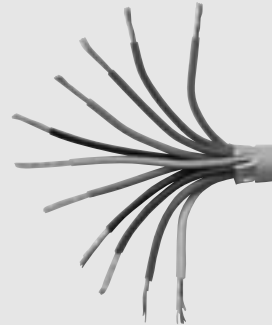
ALSO AVAILABLE:
NC18121-YL-500
18AWG/12 Conductor Keypad Cable, Yellow – 500'

7 81410 29907 8
NC-NC18121YL

7 81410 29908 5
NC-18121YL5

NC1861-PK
18AWG/6 Conductor PVC Door Contact & PIR Cable, Pink – 1000'
1000' (304.8m) of pink-colored PVC-jacketed cable used for door contact, PIR and power for PIR. Six conductors of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.

7 81410 29914 6
NC-NC1861PK
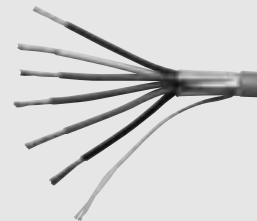
NC1821-OR
18AWG/2 Conductor Power/Door Cable, Orange – 1000'
1000' (304.8m) of orange PVC-jacketed cable used for the power connections to the locking hardware. Two conductors twisted of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.

7 81410 29910 8
NC-NC1821OR
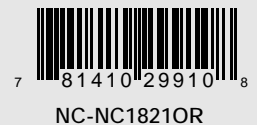
NC2221-BR
22AWG/2 Conductor Alarm Cable, Brown – 1000'
1000' (304.8m) of brown PVC-jacketed cable used for alarm points. Two conductors of 22 AWG stranded copper wire with overall aluminum/mylar foil shield and a 24 AWG stranded tinned copper drain wire.

7 81410 29918 4
NC-NC2221BR

Cable | PLENUM
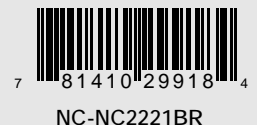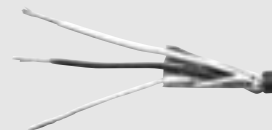
ADI Ordering Information
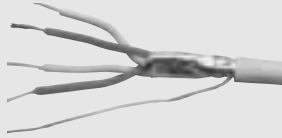
NC-NCP2441TN

NCP2441-TN
24AWG/4 Conductor Panel/Communications Cable, Tan – 1000'
1000' (304.8m) of tan PVC-jacketed plenum cable used for RS485 communication interface to control panels. Four conductor twisted 24 AWG stranded copper wire with overall foil shield and a 24 AWG tinned copper drain wire. Nominal impedance of 120 ohms and nominal capacitance of 12.7 pf/ft.
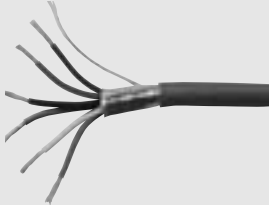
NC-NCP1861BL

NCP1861-BL
18AWG/6 Conductor Plenum Reader Cable, Blue – 1000'
1000' (304.8m) of blue PVC-jacketed plenum cable used for readers and Wiegand style keypads (KP-11 or KP-13). Six conductors of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.
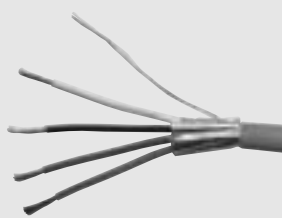
NC-NCP1841GY

NCP1841-GY
18AWG/4 Conductor Plenum Reader Cable, Gray – 1000'
1000' (304.8m) of gray-jacketed plenum cable used for readers that do not require LED line or use an external power supply at the reader. Also used for PIR power and contact. Four conductors of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.

NC-NC18121YL
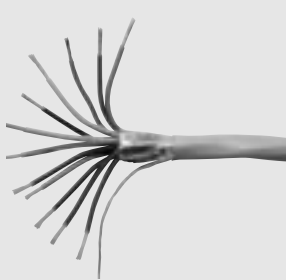
NCP18121-YL
18AWG/12 Conductor Plenum Keypad Cable, Yellow – 1000'
1000' (304.8m) of yellow-jacketed plenum cable used for the KP-10 or KP-12 keypads. Twelve conductors of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.

NC-NC1861PK
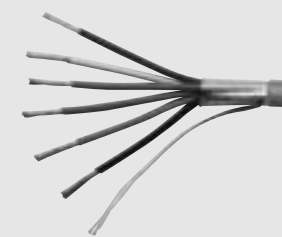
NCP1861-PK
18AWG/6 Conductor Plenum Door Contact & PIR Cable, Pink – 1000'
1000' (304.8m) of pink-jacketed plenum cable used for door contact, PIR and PIR power. Six conductors of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.

NC-NC1821OR
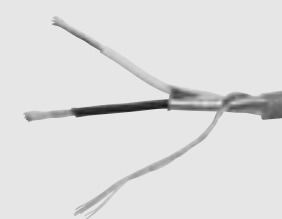
NCP1821-OR
18AWG/2 Conductor Plenum Power/Door Cable, Orange – 1000'
1000' (304.8m) of orange-jacketed plenum cable used for the power connections to the locking hardware. Two conductors twisted of 18 AWG stranded copper wire with overall aluminum/mylar foil shield and a 22 AWG stranded tinned copper drain wire.

NC-NCP2221BR

NCP2221-BR
22AWG/2 Conductor Plenum Alarm Point Cable, Brown – 1000'
1000' (304.8m) of brown-jacketed plenum cable used for alarm points. Two conductors of 22 AWG stranded copper wire with overall aluminum/mylar foil shield and a 24 AWG stranded tinned copper drain wire.

Communications
& Accessories

Honeywell provides a wide variety of communication

devices and accessories that seamlessly integrate

with our access control product lines.

Communications | PANEL COMMUNICATIONS
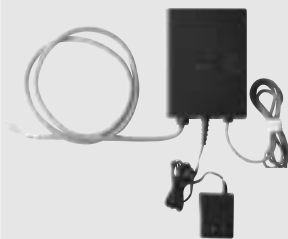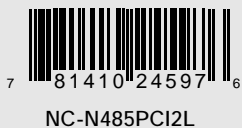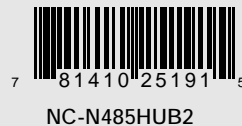
NC-N485PCI2

N-485-PCI-2
RS485 PC Interface
The N-485-PCI-2 is an RS485 interface located between the computer and the access control panels. It converts the RS232 data coming from the PC into RS485 data. Comes with a 3' (0.9 m) 9-pin cable for connection to the PC, cable can be extended to within RS232 maximum distance. For use with N-485-API-2, N-1000-III, N-1000-IV, NS2 or NS2+ panel. Dimensions: 5.5" H x 3.875" W x 2" D (13.97 cm H x 9.843 cm W x 5.08 cm D). ALL 485 UNITS IN THE SYSTEM MUST HAVE THE SAME VERSION FIRMWARE.

ALSO AVAILABLE:

N-485-HUB-2
RS485 Modem Interface
The N-485-HUB-2 converts RS232 data coming from the modem into RS485 data. ALL 485 UNITS IN THE SYSTEM MUST HAVE THE SAME VERSION FIRMWARE.

NC-N485HUB2

N485PCI2L
RS485 Interface for LANSRLU1
Designed specifically for use with the LANSRLU1 network converter. The N485PCI2L is an RS485 interface located between the LANSRLU1 and the access control panels. Converts RS485 signal (from panel) to RS232 with cable for direct connection to network converter. ALL 485 UNITS IN THE SYSTEM MUST HAVE THE SAME VERSION FIRMWARE.

NC-N485PCI2L

LANSRLU1
RS232 to LAN Converter (10/100)
This device server enables management of serial devices over IP-based Ethernet networks and easily lets you replace limited distance, point-to-point serial connections. Converts RS232 signal into 10Base-T (10 Mbps) or 100Base-TX (100 Mbps). Supplied with 110 VAC power adapter. Dimensions: 3.5" H x 2.5" W x .9" D (90 mm H x 64 mm W x 23 mm D).
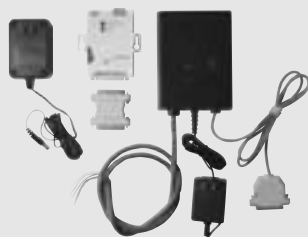
NC-LANSRLU1

LAN485KIT
Kit with LANSRLU1 & N485PCI2L
Includes LANSRLU1 and N485PCI2L.

NC-LAN485KIT

FC485
Multimode 2 Strand 485-Fiber Transceiver with Transformer
The FC485 provides fast RS485 to fiber [2 strand 62.5 micron multimode – max 1 mile (~1600m)] conversion applications at any baud rate between 300 to 115.2K. Auto-baud capability requires no resistors or jumpers to set. Jumpers for 120 ohm bias and line termination are provided. The unit is enclosed and transformer is included. Use NC2441-TN or NCP2441-TN wire. Dimensions: 3.25" H x 5.5" W x 1.375" D (8.25 cm H x 13.9 cm W x 3.49 cm D).

NC-FC485

M-56K
56K External Modem
High speed modem for N-485-HUB-2 interface. Transformer included. Dimensions: 3.75" H x 6.63" W x 1.25" D (9.52 cm H x 16.82 cm W x 3.17 cm D).

7 81410 26359 8

NC-M56K

SHM-B-ASYNC
Short Haul Modem
Short haul modem for communicating RS232 across two twisted pairs of 24-26 AWG unshielded telephone cable, insulated by polyethylene with a mutual capacitance of 0.083 mfd/mile. Transmission distance up to 4 miles (6.4 km) at 2400 baud or 1 mile (1.6 km) at 19,200 baud are achievable using specified wire. Requires two SHM-B-ASYNC, one at each end. Transformer included. Dimensions: 1.4" H x 4.25" W x 4.5" D (3.8 cm H x 10.9 cm W x 11.7 cm D).

7 81410 27018 3

NC-SHMBASYNC

SERIAL PORT EXPANDERS

NTEXPDI4
4-Port Communication Board
Used for WIN-PAK 2.0 or higher to add four RS232 communication ports. The NTEXPDI4 includes a PCI expansion board and a four port RJ45 connector. You must order the optional RJ45 connecting cable assemblies as required for your installation. The optional cables are NTEXPC25 used for C-100-A1 and external modems or NTEXPC9 used for N-485-PCI-2 applications.

7 81410 30996 8
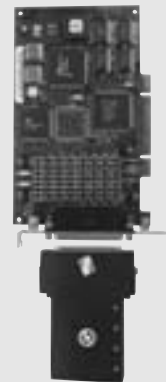
NC-NTEXPDI4

ALSO AVAILABLE:

NTEXPDI8
8-Port Communication Board
Used for WIN-PAK 2.0 or higher to add eight RS232 communication ports.The NTEXPDI8 includes a PCI expansion board and an eight port RJ45 connector. You must order the optional RJ45 connecting cable assemblies as required for your installation. The optional cables are: NTEXPC25 used for C-100-A1 and external modems or NTEXPC9 used for N-485-PCI-2 applications.

7 81410 30997 5

NC-NTEXPDI8

NTEXPDI16
16-Port Communication Board
Used for WIN-PAK 2.0 or higher to add 16 RS232 communication ports. The NTEXPDI16 includes a PCI expansion board and a 5' DB44 EBI cable used to connect the expansion board to the 16-port RJ45 external cable. You must order the optional RJ45 connecting cable assemblies as required for your installation. The optional cables are NTEXPC25 used for external modems or NTEXPC9 used for N-485-PCI-2 applications.

7 81410 30988 3

NC-NTEXPDI16

Communications | SERIAL PORT EXPANDERS AND CABLES

NC-NTEXPDI32

NTEXPDI32
32-Port Communication Board
Used for WIN-PAK 2.0 or higher to add 32 RS232 communication ports. The NTEXPDI32 includes a PCI expansion board and a 5' DB44 EBI cable used to connect the expansion board to the 32-port RJ45 external cable. You must order the optional RJ45 connecting cable assemblies as required for your installation. The optional cables are NTEXPC25 used for external modems or NTEXPC9 used for N-485-PCI-2 applications.
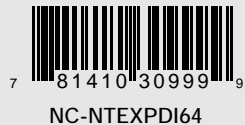
NC-NTEXPDI64

NTEXPDI64
64-Port Communications Kit
Used for WIN-PAK 2.0 or higher to add 64 RS232 communication ports in a Windows NT environment (will not work in a Windows 9x environment). The NTEXPDI64 includes a PCI expansion board, 5' DB44 EBI cable used to connect the expansion board to the first 16-port RJ45 external module and three additional 16" cables to attach the second, third and fourth 16 port modules and a power supply. You must order the optional RJ45 connecting cable assemblies as required for your installation. The optional cables are NTEXPC25 used for C-100-A1 and external modems or NTEXPC9 used for N-485-PCI-2 applications.

NC-NTEXPCM

NTEXPCM
RJ45 to 25-Pin Modem Cable

NC-NTEXPC9

NTEXPC9
RJ45 Cable and 9-Pin Shell Assembly for N-485-PCI-2
RJ45 cable and 9-pin shell assembly for use with N-485-PCI-2.

NC-NTEXPC25

NTEXPC25
RJ45 Cable and 25-Pin Shell Assembly for Modems
RJ45 cable and 25-pin shell assembly for use with modems and C-100-A1.

NC-CBLE100

CBLE100
RJ45 Patch Cable, 100 ft.
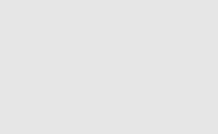
NC-CBLE200

CBLE200
RJ45 Patch Cable, 200 ft.

NC-USBXT

USBXT
USB Extender, 150 ft.
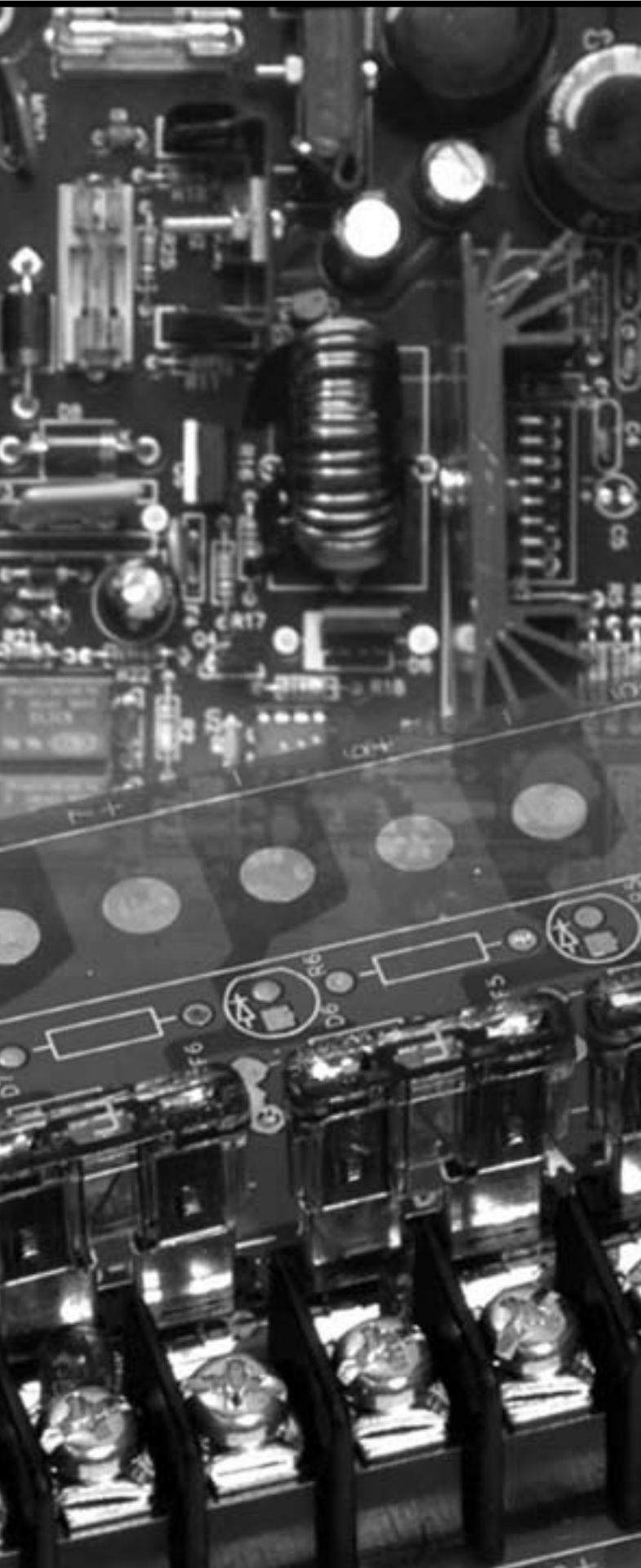
Power Supplies

Honeywell power supplies are offered specifically to support access control and electric locking hardware. The power supplies/chargers convert 115 VAC/60 Hz into a power limited, field-selectable continuous power output. These power supplies are UL Listed for access control (UL294), fire alarm (UL1481) and burglar alarm installations (UL603), and conform to NEC requirements. Distribution modules capable of distributing one power source across multiple fused outputs and a fire panel interface make ordering and installation more convenient.

THIS SECTION INCLUDES:

Auxiliary Power Modules

Power Distribution Modules

Transformers

Batteries

Power Supplies | AUXILIARY POWER MODULES

NC-HPS123

NC-HPS125

NC-HP300ULX

NC-HP400ULX

NC-HP600ULX
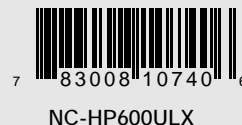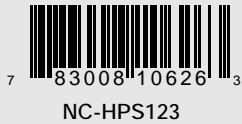
HPS123
6/12/24 VDC 2.5A or 1 A Power Supply, Enclosure & Battery
Converts 115 VAC/60 Hz into 6/12 VDC @ 2.5 A of continuous supply current (24 VDC @ 1A). Comes with a plug in 24V 50 VA transformer, 5 AH battery, battery leads and hardware. Filtered and electronically regulated output. Built-in charger for sealed lead acid or gel type batteries. Automatic switchover to stand-by battery. Circuit breaker battery protection. AC input and DC output LED diagnostic indicators. For 24 VDC, an additional BAT-3 must be ordered separately. Enclosure dimensions: 10" H x 10" W x 4.5" D (25 cm H x 25 cm W x 11.5 cm D).

ALSO AVAILABLE:
HPS125
6/12/24 VDC 4 A or 2.5 A Power Supply, Enclosure & Battery Converts 115 VAC/60 Hz into 6/12 VDC @ 4 A of continuous supply current (24 VDC @ 2.5 A). For 24 VDC, an additional BAT-3 must be ordered.
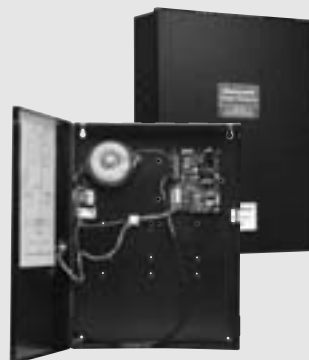
HP300ULX
12/24 VDC 2.5 A Power Supply and Enclosure
Converts 115 VAC/60 Hz into a 12/24 VDC @ 2.5 A single class 2 rated power limited supply. AC fail, low battery and battery presence monitoring. Enclosure accommodates up to two 12 AH batteries. Dimensions: 13" H x 13.5" W x 3.25" D (33 cm H x 34.3 cm W x 8.3 cm D).

ALSO AVAILABLE:
HP400ULX
12/24 VDC 4 A Power Supply and Enclosure
Converts 115 VAC/60 Hz into a 12/24 VDC @ 4 A single class 2 rated power limited supply.

HP600ULX
12/24 VDC 6 A Power Supply and Enclosure
Converts 115 VAC/60 Hz into a 12/24 VDC @ 6 A single class 2 rated power limited supply.

Power Supplies | AUXILIARY POWER MODULES

HP300ULM

12/24 VDC 2.5 A Power Supply, Enclosure and HPMOM5

Converts 115 VAC/60 Hz into a 12/24 VDC @ 2.5 A single class 2 rated power limited supply. Includes the HPMOM5 interface which features fire alarm panel or access control system NO, NC or polarity reversal trigger input and six individually protected PTC outputs rated at 2.5 A each. AC fail, low battery and battery presence monitoring. Enclosure accommodates up to two 12 AH batteries. Dimensions: 13" H x 13.5" W x 3.25" D (33 cm H x 34.3 cm W x 8.3 cm D).

7 83008 10730 7

NC-HP300ULM

ALSO AVAILABLE:

HP400ULM

12/24 VDC 4 A Power Supply, Enclosure and HPMOM5

Converts 115 VAC/60 Hz into a 12/24 VDC @ 4 A single class 2 rated power limited supply.

7 83008 10735 2

NC-HP400ULM

HP600ULM

12/24 VDC 6 A Power Supply, Enclosure and HPMOM5

Converts 115 VAC/60 Hz into a 12/24 VDC @ 6 A single class 2 rated power limited supply.

7 83008 10741 3

NC-HP600ULM

HP600ULACM8

12/24 VDC 6 A Power Supply, Enclosure and HPACM8

Converts 115 VAC/60 Hz into a 12/24 VDC @ 6 A single class 2 rated power limited supply. Includes the HPACM8 interface which features fire alarm panel or access control system NO, NC or polarity reversal trigger input and eight independently operated and individually protected outputs rated at 2.5 A each. AC fail, low battery and battery presence monitoring. Enclosure accommodates up to two 12 AH batteries. Dimensions: 13" H x 13.5" W x 3.25" D (33 cm H x 34.3 cm W x 8.3 cm D).

7 83008 10745 1

NC-HP6ULACM8

Honeywell   155

Power Supplies | POWER DISTRIBUTION MODULES

7 83008 10639 3

NC-HPD4
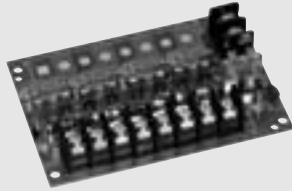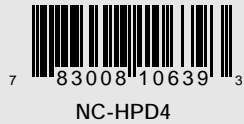
HPD4
4 Fused Output Distribution Module
Distributes one low voltage power input to 4 individually protected outputs. Each circuit uses automotive style fuses rated 3 A @ 35 VDC (up to 5 A fuses may be used) and the board is protected with a 5 A main fuse. Handling up to 28 VAC/VDC, this board has a power switch, surge protected outputs, power LED indicator, and diagnostic LEDs per circuit. Mounts with included foam backed tape or optional snap track (HST34). Dimensions: 3" H x 4.3" W x 1.0" D (7.6 cm H x 11 cm W x 2.5 cm D).

ALSO AVAILABLE:
HPD4CB
4 PTC Output Distribution Module
Includes individual auto-reset type PTCs rated 2.5 A @ 30 VDC each instead of fuses.

7 83008 10760 4

NC-HPD4CB

7 83008 10640 9

NC-HPD8
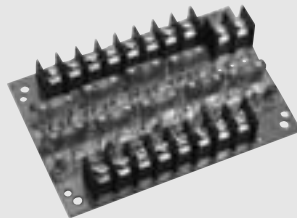
HPD8
8 Fused Output Distribution Module
These convert one low voltage power input to 8 individually protected outputs. Handling up to 28 VAC/VDC, this board has a power switch, surge protected outputs, power LED indicator, and diagnostic LEDs per circuit. Each circuit is protected with automotive style fuses rated 3 A @ 35 VDC (up to 5 A fuses may be used) and the board has a 5 A main fuse. Mounts with included foam backed tape or optional snap track (HST34). Dimensions: 3" H x 4.3" W x 1.0" D (7.6 cm H x 11 cm W x 2.5 cm D).

ALSO AVAILABLE:
HPD8CB
8 PTC Output Distribution Module
Each circuit is protected with auto-reset PTCs rated 2.5 A @ 30 VDC instead of fuses.

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NC-HPD8CB

7 83008 10748 2
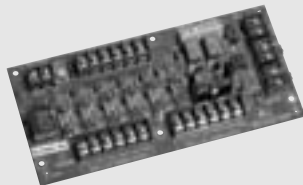
NC-HPMOM5

HPMOM5
6 Fused Output Distribution with Fire Panel Interface
This multi-output power distribution module converts one non-power limited 12 VDC or 24 VDC voltage input to 6 power limited outputs. Each output can be used to power magnetic locks, electric strikes, magnetic door holders, etc. Outputs switch together and operate both fail-safe and fail-secure. Activation is through normally open or normally closed supervised input or the polarity reversal from a fire alarm control panel. A Form C dry output relay will enable HVAC shutdown, elevator recall or trigger auxiliary devices. Class 2 current rated at 2.5 A per output. Diagnostic LEDs per circuit. Power and input trigger LEDs. Power fail supervision relay is Form C rated 1 A @ 28 VDC/115 VAC. Dimensions: 5.3" H x 3.5" W x 1" D (13.5 cm H x 8.9 cm W x 2.5 cm D).

Power Supplies | POWER DISTRIBUTION MODULES

HPACM8

8 Fused Output Distribution with FACP Interface

This distributes one 12 to 24 VAC or DC input over 8 independently controlled fuse protected outputs. The outputs can also be configured as dry Form C contacts. Activated by an open collector sink or normally open dry trigger input from an access system, card reader, keypad, push button, PIR, etc. Outputs operate both fail-safe and fail-secure and will power magnetic locks, electric strikes, magnetic door holders, etc. Powered by either one common source or by two independent sources, one for board power and the other for accessory power. The FACP interface can trigger emergency exit, monitoring, HVAC shutdown, elevator recall or other auxiliary devices. The fire alarm disconnect is configurable for all affected or 50/50 mode. Dimensions: 8" W x 4.5" H x 1.25" D (20.3 cm W x 11.4 cm H x 3.8 cm D).

7 83008 10747 5
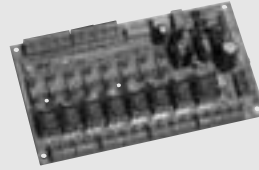
NC-HPACM8

ALSO AVAILABLE:

HPACM4

4 Fused Output Distribution with FACP Interface

Distributes one 12-24 VAC or VDC input over 4 independently controlled fuse protected outputs.

7 83008 10746 8

NC-HPACM4

NC-X2

X-2
12 VAC Transformer
Transformer that converts 120 VAC to 12 VAC. 40 VA rating. AC power supply for the following legacy devices: N-501-LB, N-500-LB-B, N-500-PCM, N-1000-II, N-1000-II-X, and C-100-A1.

NC-X4

X-4
16.5 VAC 50 VA Transformer
16.5 VAC 50 VA plug in transformer. For N-1000-III/IV, NS2, NS2+, NX4S1 and replacement transformer for PS-1-12E.

NC-X4CAN

ALSO AVAILABLE:
X4CAN
CSA Approved Transformer
CSA Approved 16.5 VAC 50 VA plug-in transformer for N-1000-III, N-1000-IV, NS2, NS2+, NX4S1 control panels.

NC-S4

S-4
Suppressor Kit
Provides proper protection against electrical spikes caused by collapsing electrical fields. One suppressor kit is required for every electrical switching device connected through a relay contact on the N-1000-II, N-1000-III, N-1000-IV, NS2 and NS2+ control panels.

NC-712BNP

712BNP
12V, 7 AH Backup Battery
12V battery for the NetAXS and PRO2200 panels.

NC-BAT3

BAT-3
12V, 4 AH Backup Battery
12V battery for the N-1000-III, N-1000-IV, NS2, NS+ series of panels.

NC-BAT1

BAT-1
8V Battery for N-1000-II
Replacement 8V operational battery backup for the N-1000-II control panels. The BAT-1 provides power to maintain full control panel functions during AC power loss (for up to 3 hours).

NC-BAT2

BAT-2
Lithium Battery for N-1000
Replacement lithium battery. Provides backup power for memory retention on the N-1000-II control panels.

Services

In addition to leading-edge products, Honeywell Access Systems offers a wide variety of services that help dealers improve margin and grow their business. From on-site support, training and database services to our Web-based Customer Information Management (CIM) system, Honeywell delivers a broad spectrum of programs that offer unrivaled dealer support and investment protection.

THIS SECTION INCLUDES:

Customer Information Management System (CIM)

Factory and On-Site Training

Database Services

On-Site Services

Technical Support

CUSTOMER INFORMATION MANAGEMENT SYSTEM (CIM)

Honeywell Access Systems' Customer Information Management (CIM) system is an innovative eBusiness solution that empowers users to optimize the profitability and productivity of their organizations through anytime online access to critical information and interactive management tools. The CIM can be accessed via the Internet at **www.hascim.com**. To obtain your log-on credential, please contact your regional sales manager or inside sales representative. They are ready to provide you with the means to access a wealth of information!

Once in the CIM system you can obtain:
• Listings of all interactions with the Honeywell Customer Support Group to track the status of open technical support call tickets, databases and/or PCs sent in for repair and card tests
• Reports to show business trends and activity of listed job sites
• Information about the Honeywell Access Systems' technical library, knowledge base, and drivers
• Product information
• Product technical drawings

The CIM can also be used as a centralized resource for requesting and scheduling on-site services, enrolling in training courses, participating in surveys, taking certification exams online and much more.

FACTORY AND ON-SITE TRAINING

Registration and Schedules
Training registration and schedules can be found on the CIM. New dealers can contact their Honeywell sales representative for further details.

Classes
Because we limit the size of our classes in order to ensure personal hands-on training, early registration is highly recommended. All dates and locations are subject to change. All registrations are processed through the CIM Web site.

Audience
Installation technicians, service technicians and project managers comprise the majority of students who attend our training classes.

Certification Credentials
Students who attend and pass a WIN-PAK or PassPoint course exam will receive a Training Certification ID card in the mail. This credential may be needed at some sites prior to placing a request to Honeywell Access Systems for technical support.

Pricing
Pricing for factory and on-site training can be found on the CIM Web site at **www.hascim.com**. You will be required to provide a credit card or purchase order number for training class registration.

Online Testing
Web-based product certification courses will be available in the CIM under Training Options. Upon completion of the course, students will be directed via e-mail to an on-line testing site where a final examination will be administered which measures the student's comprehension of the course material. A passing grade must be achieved to obtain product certification. Additional information about course enrollment, testing and fees can be found in the CIM.

Factory Training

PART NUMBER	DESCRIPTION
FCTRWP05	Factory Training – WIN-PAK SE
FCTRWPP05	Factory Training – WIN-PAK PE
FCTRNSTAR	Factory Training – NStar
FCTRPPOINT	Factory Training – PassPoint
FCTRPANEL	Factory Training – Panel Hardware

On-Site Training

PART NUMBER	DESCRIPTION
OSTWP05	On-Site Training – WIN-PAK SE
OSTWPP05	On-Site Training – WIN-PAK PE
OSTNSTAR	On-Site Training – NStar
OSTPPOINT	On-Site Training – PassPoint
OSTRPANEL	On-Site Training – Panel Hardware
OSTCUSTTR	On-Site Training – Custom Training

DATABASE SERVICES

Honeywell Access Systems provides a variety of database services including repairs and upgrades, custom reports and card tests for the Honeywell Access Systems product line. Expedited services are also available. All database services, whether normal or expedited, are available at the factory only. Contact **hassupport@honeywell.com** for further information.

PART NUMBER	DESCRIPTION
SRVCRDENCODNC	Encoding of information
SRVCRDTESTNC	Card test services
SRVHRSUPPNC	Service telephone hourly support
SRVCSTAPPNC	Custom I/O & application
SRVINPCREPAIRNC	CPU to Honeywell Access Systems for repair
SRVDBRPNC	WIN-PAK / NStar database repair (Excludes N-750 and PassPoint)
SRVDBUPNC	WIN-PAK / NStar database upgrade (Excludes N-750 and PassPoint)
SRVEXPDITNC	Expedited database service, in addition to database repairs and upgrades
SRVHRSUPPNC	Service support – hourly
SRVINPCREPAIRNC	CPU to Honeywell Access Systems for repair
SRVINTECHNC	Special applications setup for customer

ON-SITE SERVICES

Honeywell Access Systems' on-site services offer great value to our customers. Our highly trained staff of regional technical managers (RTMs) offers two different types of on-site services:

- **On-Site Troubleshooting Assistance** – If a job site has developed a problem that proves too complex for the dealer to handle without assistance, a Honeywell RTM may be dispatched to the job site after an assessment is made by a Honeywell inside technical support professional and the customer. Please refer to the pricing summary for current rates.

- **Planned On-Site Commissioning** – An RTM is available to visit an end user site or customer location to assist with system commissioning. Training, troubleshooting, diagnostics, consulting and advanced level programming are among the commissioning-related services that a Honeywell RTM can provide.

Our system commissioning service is designed to assist the dealer with the process of turning over a complete security management system project using Honeywell products. Honeywell Access Systems assumes that installation is essentially complete prior to an on-site visit. Although the Honeywell RTM performs primarily system specific tasks, we also offer the flexibility to cover items outside of our normal scope of services. This allows us to provide custom solutions that best meet the needs of each customer. Please refer to the pricing summary for current rates. Planned on-site services may be arranged by visiting the Honeywell Access Systems' Customer Information Management (CIM) Web site at **www.hascim.com**. After navigating to the site, click on the Dealer link and the site will direct you to the login screen. If you do not have ready access to the CIM, please contact Honeywell Customer Service and Support at (800) 467-5875 for scheduling and pricing.

PART NUMBER	DESCRIPTION
OSSNCFD	1 day (eight hours) on-site support only (not to include training classes)
OSSNCHD	1/2 day (four hours) on-site support only (not to include training classes)
OSSHASYSOP	System Optimization (WIN-PAK and/or LobbyWorks)

The Honeywell Technical Support Department's mission is to assist Honeywell dealers with issues they may encounter with Honeywell products. We are proud of our technical support team, and we strive each day to be the best.

Who is Supported
The Honeywell technical support team supports the customers of Honeywell, and we do not make it a policy to assist the end user (site) directly. An authorized Honeywell dealer must be involved in all support calls unless agreement is reached in advance with Honeywell management.

How to Reach Honeywell Technical Support
The Customer Service & Technical Support Center can be reached at:
- (800) 467-5875
- hassupport@honeywell.com
- www.honeywellaccess.com

We are staffed between 8:00am and 8:00pm EST weekdays (except for Honeywell recognized holidays). At any time, voice mail is available for leaving messages, which will be answered no later than the next workday.

If your problem isn't time sensitive, consider sending an e-mail message to **hassupport@honeywell.com**. E-mail is checked at least once an hour between 8:00am and 8:00pm EST, Monday through Friday to ensure a timely response to these requests. Except as a secondary notification, please do not use e-mail to notify Honeywell of emergency situations. If you want a telephone response, be sure to include the telephone number you want us to use. A Honeywell representative can research your problem before responding if you send a detailed description of your problem.

Over the years we have compiled massive amounts of information about Honeywell hardware and software issues and posted it at **www.honeywellaccess.com**. There is an excellent chance that some or all of your questions can be answered there.

Calls to Honeywell Tech Support are logged in a call tracking database system. In cases where a problem has not been appropriately resolved in a reasonable or agreed timeframe, additional discussions and troubleshooting sessions are held to develop and implement the correct solution. Additionally, monitoring the requests is a powerful tool for tracking trends and ensuring that appropriate staff and technology are accessible to callers.

What is Not Supported
In general, any services that require "touching" the local systems are not provided by Honeywell Tech Support. While it is up to the dealer to determine the need for technical support from Honeywell and to prioritize the need, the following services will not be provided and generally fall into the domain of dealer technical support staff or others:

- Hardware installation and new computer setups
- Operating system and network interface installation
- Installation of non-Honeywell products, including printers
- Desktop support and training
- Coding creation and maintenance
- Deletion of data
- Scheduling all dealer warranty/repair work
- Customizing systems
- Backing up systems
- Removing viruses
- Reconfiguring systems in the event of a critical error

Additional Information

Honeywell's wide assortment of products allows dealers to tailor a complete access control system for any facility. This section includes a Product Compatibility Chart to simplify the selection of components for application and provides basic instructions on how to configure the system.

THIS SECTION INCLUDES:

Product Compatibility Chart

System Configurations

Sales Policy

CONTROLLER	NS2	NS2+	NX4S1 NX4L1	N-1000-III N-1000-III-X	N-1000-IV N-1000-IV-X	PW-2000-III PW-2000-III-X	PW-2000-IV PW-2000-IV-X	PRO2200	N-750	PTMLB/X PTDCM
Security Management Systems										
NStar	✓									
WIN-PAK SE		✓	✓	✓	✓	✓	✓	✓		
WIN-PAK PE		✓	✓	✓	✓	✓	✓	✓		
WIN-PAK PRO Central Station		✓	✓	✓	✓	✓	✓	✓		
Win750								✓		
PassPoint Plus									✓	
Discontinued Part Numbers										
WIN-PAK 2005		✓	✓	✓	✓	✓	✓	✓		
WIN-PAK PRO 2005		✓	✓	✓	✓	✓	✓	✓		
125 KHz Proximity Readers										
OP10HONE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OP10GENE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OP30HONE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OP30GENE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OP40HONE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OP40GENE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HID ProxPoint (6005)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HID MiniProx (5365)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HID ThinProx (5395)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HID ProxPro (5355)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HID ProxPro II (5455)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HID ProxPro Keypad (5355K)	✓	✓	✓				✓		✓	
HID ProxPro Keypad Matrix (PR-PROXPRO-K2)				✓	✓	✓	✓			
HID MaxProx (5375)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Indala Flex Pass Linear (FP5XX)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Indala Flex Pass Arch (FP6XX)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Indala Flex Pass Curve (FP7XX)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Indala Flex Pass Wave (FP8XX)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13.56 MHz Smart Card Proximity Readers										
OM30BHONA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OM40BHONA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OM45BHONA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OM55BHONA	✓	✓	✓	*	*	*	*	✓	*	✓
OmniAssure Readers										
OT30XXXX	+	+	+	+	+	+	+			
OT31XXXX	+	+	+	+	+	+	+			
OT35XXXX	+	+	+	+	+	+	+			
OT36XXXX	+	+	+	+	+	+	+			
OT70XXXX	+	+	+	+	+	+	+			
OT75XXXX	+	+	+	+	+	+	+			
Wiegand Readers										
HU/W3100340 (CR-1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HU/W3152540 (AR-1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HU/W3130180 (KR-1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HU/W3121260 (CI-1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HU/W2803001 (TR-1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* Card read only. Keypad PIN not passed to panel.

+ Consult factory for exact product compatibility.

CONTROLLER	NS2	NS2+	NX4S1 NX4L1	N-1000-III N-1000-III-X	N-1000-IV N-1000-IV-X	PW-2000-III PW-2000-III-X	PW-2000-IV PW-2000-IV-X	PRO2200	N-750	PTMLB/X PTDCM
Magnetic Stripe Readers										
NR-5	**	**	**	✓	✓	✓	✓	✓	**	**
NR-5-KP				✓	✓	✓	✓			
NR-2-WR	**	**	**	✓	✓	✓	✓	✓	**	**
Barcode Readers										
BR-7	**	**	**	✓	✓	✓	✓	✓	**	**
BR-VL	**	**	**	✓	✓	✓	✓	✓	**	**
Keypad Readers										
KP-10				✓	✓	✓	✓			
KP-11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KP-12				✓	✓	✓	✓			
KP-13	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Biometric Readers										
IR HandKey CR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IR HandKey II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bioscrypt VProx	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bioscrypt VPass	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bioscrypt VFlex	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bioscrypt VSmart	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bioscrypt VStation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Communication Devices – RS485										
N-485-PCI-2	✓	✓	✓	✓	✓	✓	✓			
PRO22CVT1							✓			
Communication Devices – Dial-Up										
SHM-B-ASYNC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M-56K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Communication Devices – Ethernet										
NSLAN1	✓	✓								
LANSRLU1	✓	✓		✓	✓	✓	✓		✓	✓
N485PCl2L	✓	✓		✓	✓	✓	✓			
PRO22EN								✓		
Communication Devices – Other										
F290D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SPX-II-2-W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NTEXPDI4		✓		✓	✓	✓	✓	✓		
NTEXPDI8		✓		✓	✓	✓	✓	✓		
NTEXPDI16		✓		✓	✓	✓	✓	✓		
NTEXPDI32		✓		✓	✓	✓	✓	✓		
NTEXPDI64		✓		✓	✓	✓	✓	✓		
Enclosures										
ENC-3				✓		✓		✓		
ENC-4				✓		✓	✓			
ENC10	✓	✓								
ENC30	✓	✓								
PRO22ENC1								✓		
PRO22ENC2								✓		
PRO22ENC3								✓		
PRO22ENC4								✓		
PRO22ENC5								✓		
N-750-ENC									✓	
PTCANPOWER										✓

** Limited compatibility for Wiegand data. Provide sample cards to factory for testing and compatibility.

Access Control
- Cardholder capacity: Unrestricted with WIN-PAK® SE software host grant feature
- Operators: One or five concurrent
- Time zones: Unrestricted
- Holidays: 32 (2 types with NS2+)
- Server client protocols: TCP/IP
- On-line transaction storage: Limited only by drive space
- Elevator control: Up to 24 floors and 32 definitions with N-1000 Control Panel
- Operators/passwords: Unlimited
- 40 User-defined cardholder data fields per account
- First valid card in unlocks door/ activates time zone with NS2+
- Up to 32 access levels can be applied to a card (multiple access level mode)

Alarm Monitoring
- Monitor points:126,480 per system
- Sound files played per event status
- Monitor 16 live cameras in a single view
- VISTA 128FBP/250FBP (optional)

Reporting and Operating
- Operator instructions: Definable per alarm point and state
- Reports:
  - Scheduled Reports-Cardholder or History
  - Cardholder or Number
  - Device (Panels, Readers, Comm)
  - Operator actions
  - Database reports
  - Email reports in HTML format
- Graphical map import: WMF

Communications
- Supports direct TCP/IP connection to control panels eliminating the need for costly multi-port boards
- Controllers: 7,905 hardwired per system
- Readers: 31,620 per system

Other
- Database engines: MSDE 2000 standard, SQL Server 2005, SQL Server 2000 (optional)
- Door control modes: Shunt, unshunt, lock, unlock, pulse, timed pulse
- Door configuration: Card only, Card and PIN, card or PIN and keypad only
- Multi-threaded application capable of utilizing multiple processor servers

WIN-PAK SE CONFIGURATION

Additional Information | WIN-PAK® PE CONFIGURATION
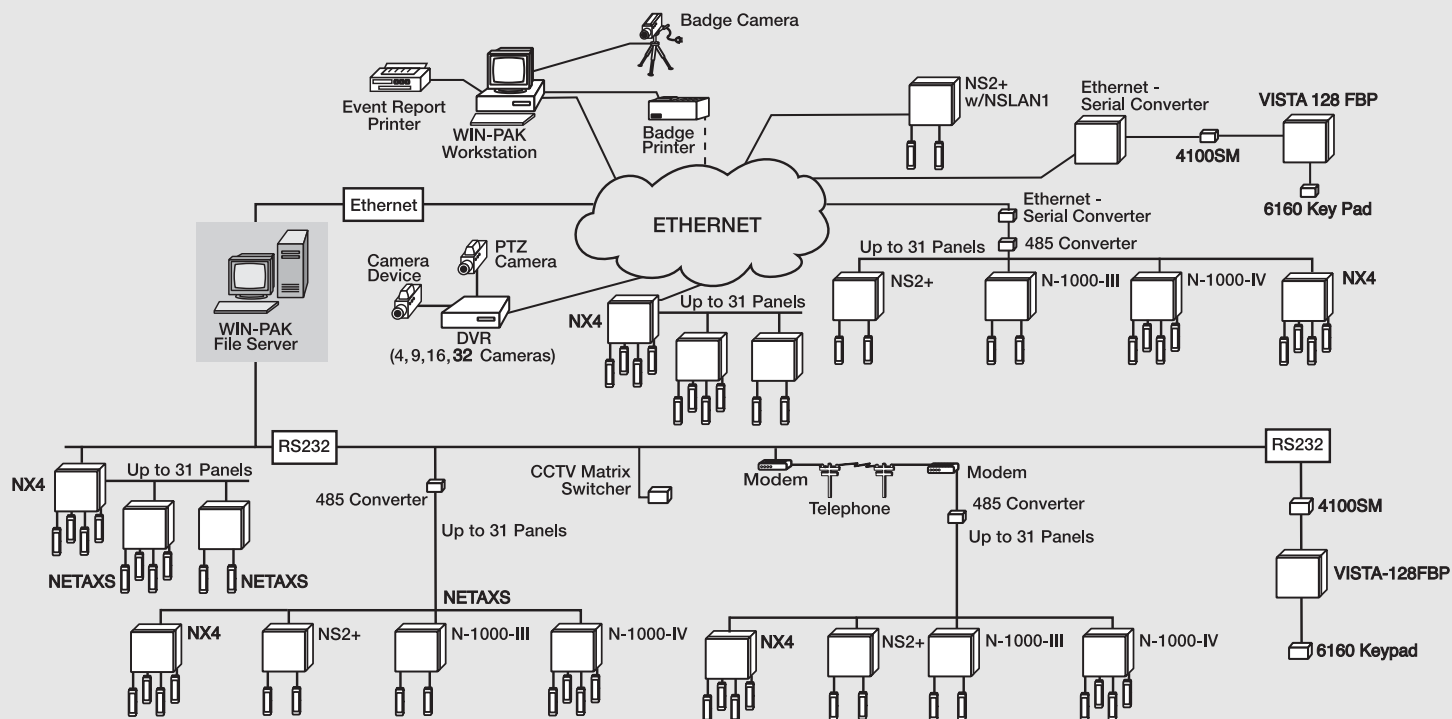
Access Control
- Cardholder capacity: Unrestricted with WIN-PAK® PE software host grant feature
- Communication Servers: Unrestricted
- Operators: Unrestricted
- Supports multiple accounts allowing separate access to the card database, badge layout, operator access, reporting and account sensitive operator rights
- Time zones: Unrestricted
- Holidays: 255 per PRO2200
- Server client protocols: TCP/IP
- On-line transaction storage: Limited only by drive space
- Elevator control: Up to 112 floors and 255 definitions with PRO2200 Control Panel
- Operators/passwords: Unrestricted
- 40 User-defined cardholder data fields per account

Communication Server
- Multiple communication servers on LAN/WAN provide distributed networking capabilities, improving system performance and capacity
- Supports direct TCP/IP connection to control panels eliminating the need for costly multi-port boards
- Controllers: 7,905 hardwired per communication server
- Readers: 31,620 per communication server

Alarm Monitoring
- Monitor points: 261,120 per communications server with PRO2200 Control Panel
- Sound files played per event status
- Monitor 16 live camera views
- VISTA 128FBP/250FBP (optional)

Reporting and Operating
- Operator instructions: Definable per alarm point and state
- Reports:
  - Scheduled Reports-Cardholder or History
  - Cardholder or Number
  - Device (Panels, Readers, Comm)
  - Operator actions
  - Database reports
  - E-mail reports in HTML format
- Graphical map import: WMF

Other
- Database engines: MSDE 2000 standard, SQL Server 2005, SQL Server 2000 (optional)
- Door control modes with PRO2200 Control Panel: Disable, unlock, lock, no access egress only, facility code only, card only, card and PIN, card or PIN, or PIN only
- Multi-threaded application capable of utilizing multiple processor servers

WIN-PAK PE CONFIGURATION
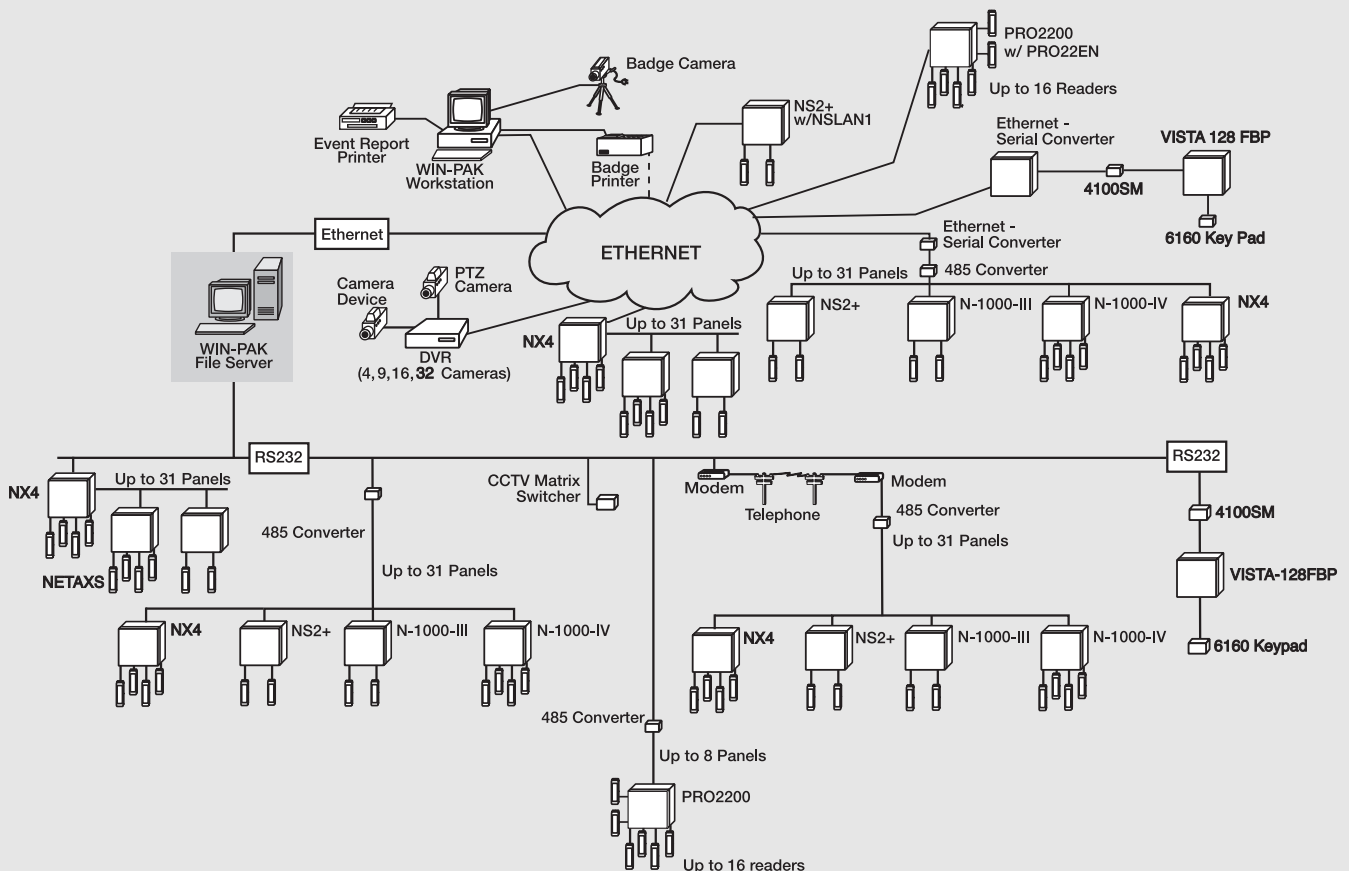
Web Features
- Built-in Web browser interface
- Real time system control
- Live remote monitor of alarms and events
- Detailed report viewer
- Audit trail and customized reporting
- Add/remove users
- Live monitoring of system events
- Alarm annunciation status bar
- Manual control of readers, locks and inputs/outputs
- Multiple user connections per system
- Special functions
  - N-Man rule
  - Supervisor rule
  - Escort rule
  - Limited use (number of uses or dates)
- Automatic clock synchronization
- High-security with SSL level encryption

System Communications
- Multiple communication options
  - On-board Ethernet
  - Built-in RS485 (does not require N-485-PCI-2)
  - Built-in RS232

System Capacities
- 10,000 cardholders
- 25,000 events/buffers
- 4 readers, expandable up to 124
- 14 supervised inputs
  - Add up to 64 additional inputs
- 8 SPDT, relay outputs
  - Add up to 64 additional outputs
- Motorola Coldfire 32-bit processor
- Flash programming for firmware revision updates
- Temperature: 35-110° F (-2-43° C)
- Humidity: 0 to 85% RHNC

NetAXS Enclosure Options
- Large Enclosure
  - NetAXS 4 door control panel
  - 24 VDC, 6 A power supply
  - Distributed relay board
  - 24V battery backup
  - Noise suppression filter
  - Convenient 2-Wire lock power
  - Reader power
  - Auxiliary device power
- Small Enclosure
  - NetAXS 4 door control panel
  - 12 VDC battery backup
  - 16.5 VAC, 50 VA transformer
  - Standard enclosure

Web browser interface
- Internet Explorer
- Netscape Navigator
- Mozilla Firefox

NETAXS™ STANDALONE WEB CONFIGURATION

Web Browser
Host PC System
WIN-PAK SE/PE

Web Browser

LAN

Up to 64 Additional Outputs per Control Panel

World Wide Web
LAN/WAN
VPN

NX4
*Gateway Controller

Up to 30 Downsteam Control Panels

RS485

Up to 64 Additional Inputs per Control Panel

NX4

NX4

NX4
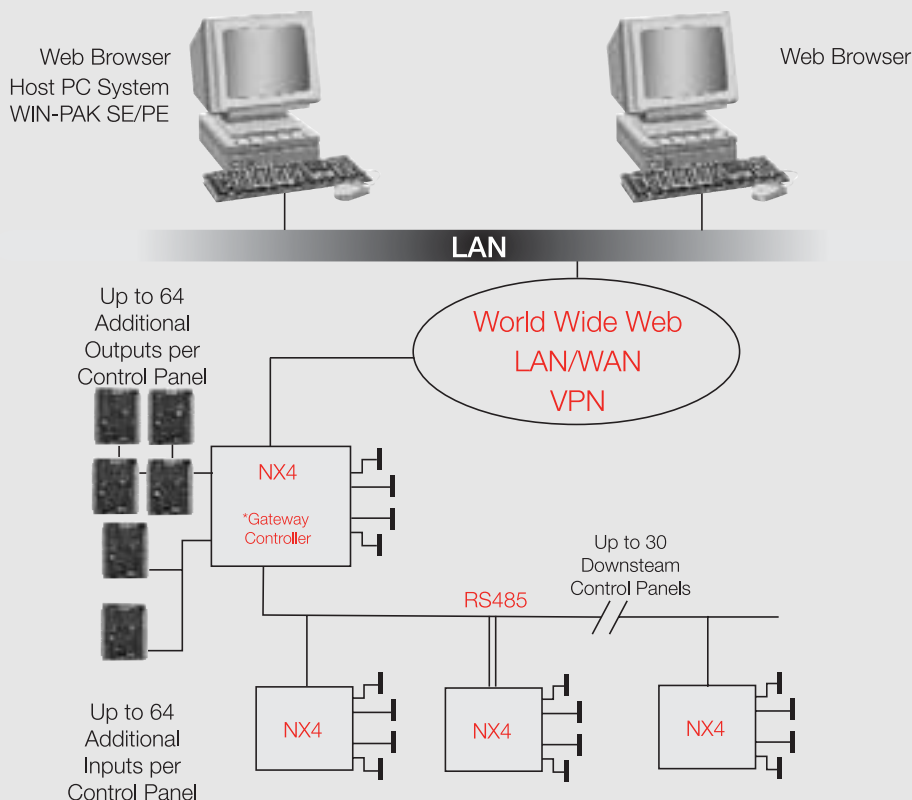
* Any NX4 panel can be configured as a Gateway Controller.

Hybrid System Features
- Local and remote managed access control
- WIN-PAK PC Hosted
  - Provides full featured access control through local software
  - Complete access control functionality
- Web Browser Interface
  - Remote system access to embedded NetAXS Web server
  - Remote monitoring and management
  - Full detail reporting
  - Manual door control
  - Input and output control

System Communications
- Multiple communication options
  - On-board Ethernet
  - Built-in RS485 (does not require N-485-PCI-2)
  - Built-in RS232

System Capacities
- 10,000 cardholders
- 25,000 events/buffers
- 4 readers, expandable up to 124
- 14 supervised inputs
  - Add up to 64 additional inputs
- 8 SPDT, relay outputs
  - Add up to 64 additional outputs
- Motorola Coldfire 32-bit processor
- Flash programming for firmware revision updates
- Dedicated panel tamper alarm and power fall
- Real time clock: Geographic time zone support
- Daylight Saving Time
- Temperature: 35 -110° F (-2- 43 °C)
- Humidity: 0 to 85% RHNC
- UL 294 listing / CE Certification

NetAXS Enclosure Options
- Large enclosure
  - NetAXS 4 door control panel
  - 24 VDC, 6 A power supply
  - Distributed relay board
  - 24V battery backup
  - Noise suppression filter
  - Convenient 2-wire lock power
  - Reader power
  - Auxiliary device power
- Small enclosure
  - NetAXS 4 door control panel
  - 12 VDC battery backup
  - 16.5 VAC, 50 VA transformer
  - Standard enclosure

Web Browser Interface
- Internet Explorer
- Netscape Navigator
- Mozilla Firefox

NETAXS™ HYBRID WEB CONFIGURATION

Web Browser Host PC System WIN-PAK SE/PE

Web Browser Remote Monitoring, Reporting and Manual Door, Input and Output Control

LAN

Up to 64 Additional Outputs per Control Panel

World Wide Web LAN/WAN VPN

Remote Web Browser

NX4 *Gateway Controller

Up to 30 Downsteam Control Panels

RS485

Up to 64 Additional Inputs per Control Panel

NX4   NX4   NX4
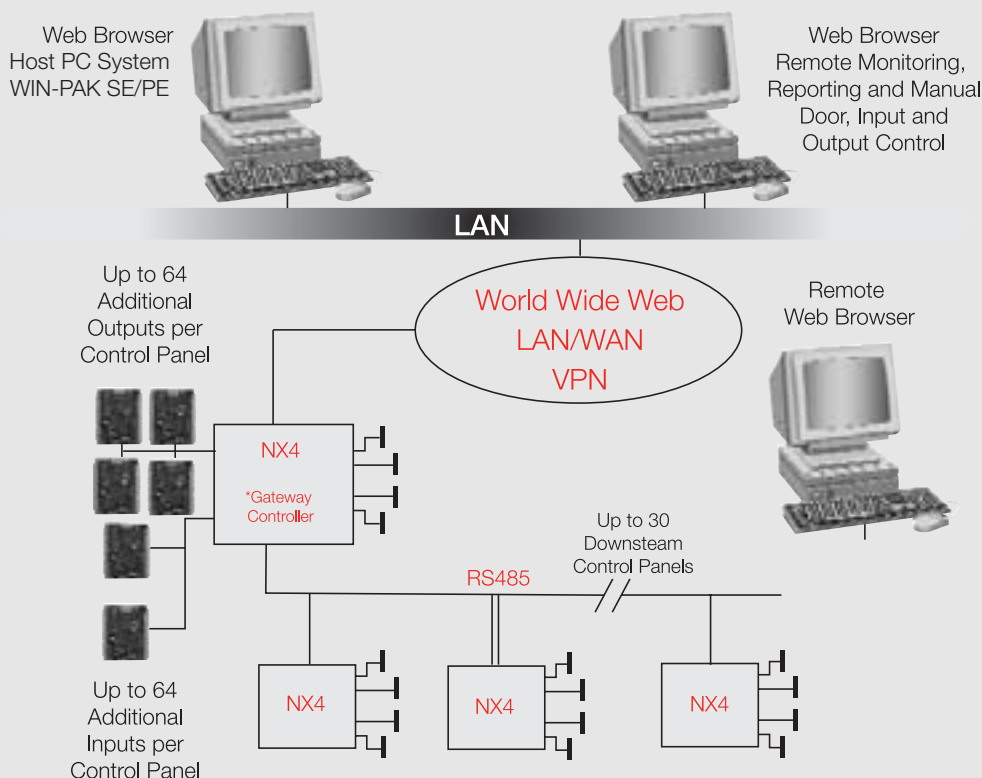
* Any NX4 panel can be configured as a Gateway Controller.

NSTAR SERIAL COMMUNICATION

Standard configuration uses two communication ports. Control one NS2 control panel per communication port.

COM1 NS2 Reader 1 Reader 2

COM2 NS2 Reader 1 Reader 2
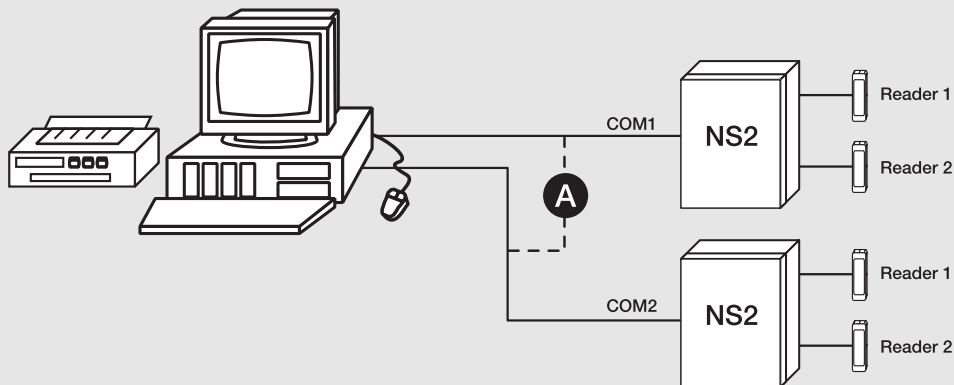
Ⓐ Part #CBL50 - RS232 50' Serial Cable

NSTAR RS485 COMMUNICATION

Standard configuration uses two communication ports for two loops. Control 31 NS2 control panels per loop, 62 NS2 panels total.

N-485-PCI-2 (RS232 to RS485 Converter)

COM1

RS485 Multi-Drop Line

NS2 Reader 1 Reader 2

NS2 Reader 1 Reader 2

NS2 Reader 1 Reader 2
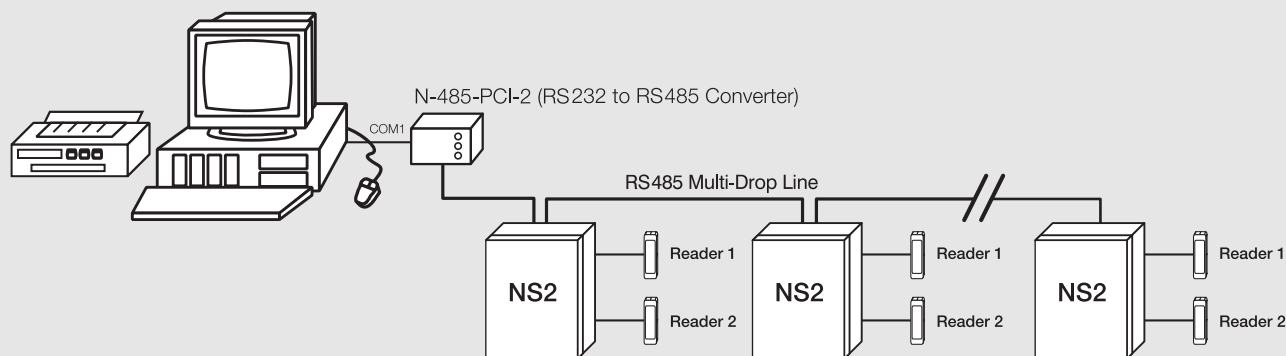
Maximum 31 NS2 Control Panels per Drop Line
Add Second COM Port and RS485 Interface for Additional 31 NS2 Control Panels

NSTAR ETHERNET COMMUNICATION

Where one NS2 panel is used per IP loop, communicate via optional on-board Ethernet interface (NSLAN1). One NS2 per NSLAN1.
Where multiple NS2 panels are required per IP loop, communicate using RS485 communications (N485PCI2L & LANSRLU1).

❶ Where one NS2 panel is used per IP loop, communicate via optional on-board Ethernet interface (NSLAN1). One NS2 per NSLAN1.
❷ Where multiple NS2 panels are required per IP loop, communicate using RS485 communications (N485PCI2L & LANSRLU1).

Network Interface
Card Inside PC

Ethernet
Up to 64 IP Connections per System

❶ NSLAN1 NS2 Reader 1 Reader 2

❷ LAN485KIT
N485PCI2L LANSRLU1

RS485 Multi-Drop Line

NS2 Reader 1 Reader 2

NS2 Reader 1 Reader 2

NS2 Reader 1 Reader 2
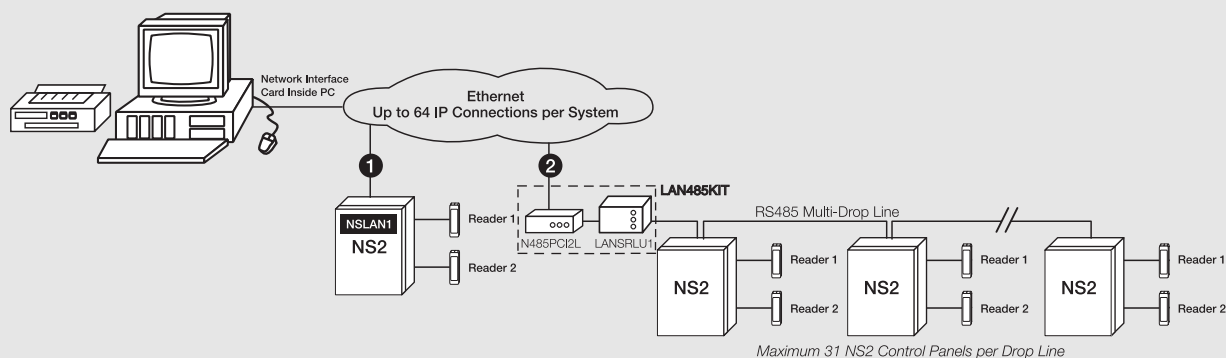
Maximum 31 NS2 Control Panels per Drop Line

CONTROLLER CONFIGURATION

X-4
Transformer

D

NS2+,
N-1000-III,
N-1000-IV or
NX4

S-4
Suppressor
Kit

HPS123
12 VDC power supply for lock

A B
or
E

C

IS31OWH

Maglock
ML8011-LC-US28

Card Reader
OR
Keypad*

NOTE: Only one door shown.
Up to two doors are supported
by the NS2+ and N-1000-III,
four doors by the N-1000-IV or NX4.
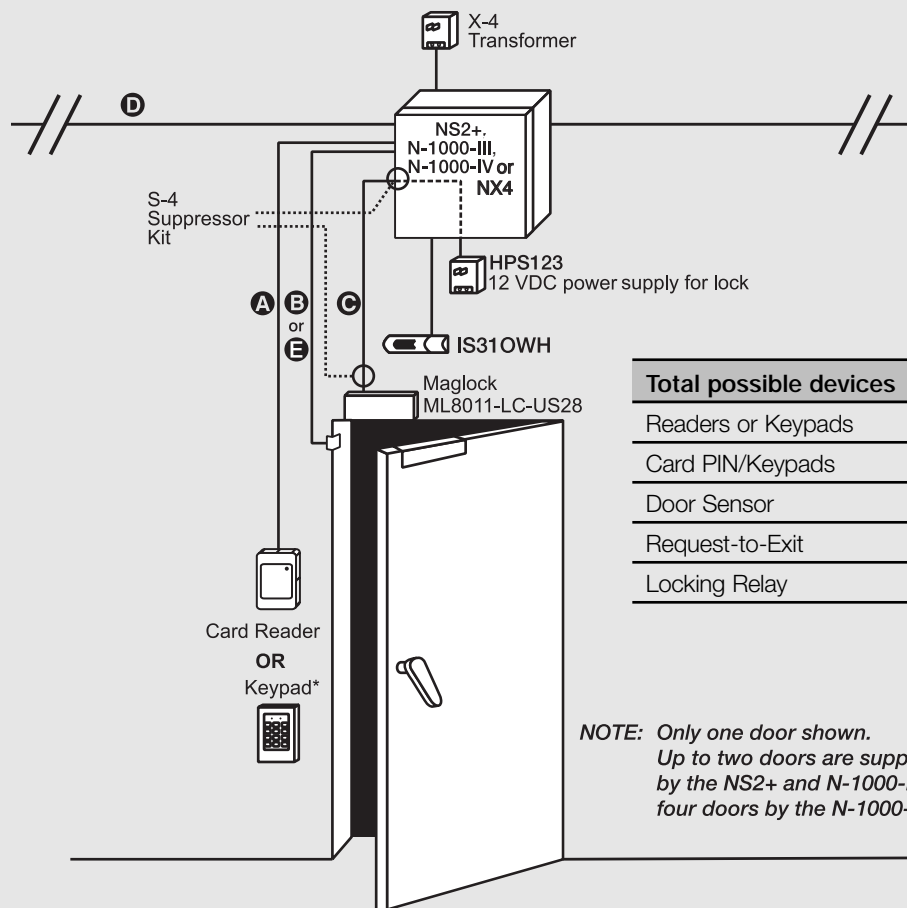
Total possible devices	NS2+	N-1000-III	N-1000-IV	NX4
Readers or Keypads	2	2	4	4
Card PIN/Keypads	2	2	2	4
Door Sensor	2	2	4	4
Request-to-Exit	2	2	4	4
Locking Relay	2	2	4	4

	LOCATION	WIRE TYPE	NON-PLENUM CABLE PART NUMBER	PLENUM CABLE PART NUMBER	DISTANCE RATING
A	Control panel to card reader	6 conductor, 18 AWG (0.75 mm) shielded	NC1861-BL	NCP1861-BL	500'
B	Control panel to exit device/alarm point	twisted pair, 22 AWG shielded	NC2221-BR	NCP2221-BR	2,000'
C	Door power cable	twisted pair, 18 AWG shielded	NC1821-OR	NCP1821-OR	2,000'
D	RS485 communications	4 conductor, 24 AWG	NC2441-TN	NCP2441-TN	4,000'
E	PIR status & power	4 conductor, 18 AWG	NC1841-GY	NCP1841-GY	2,000'
*	For keypads with NS2+	6 conductor, 18 AWG (0.75 mm) shielded	NC1861-BL	NCP1861-BL	500'
*	For keypads (when card & pin are used), limited to 2 keypads (card-pin) per panel N-1000-IV	12 conductor, 18 AWG shielded	NC18121-YL	NCP18121-YL	500'

M-56K CONFIGURATION - DIAL UP

M-56K

N-485-HUB-2   **B**

M-56K

RS485 Multi Dropline
Recommended 31 control panels

N-1000-IV   N-1000-III   NS2+
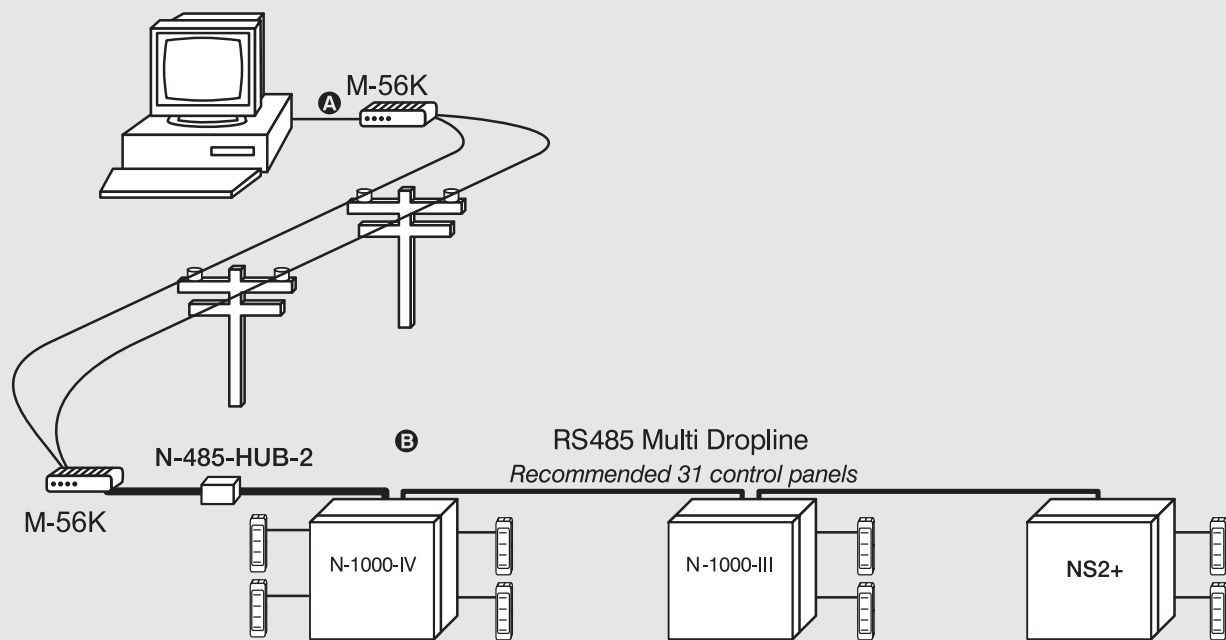
ETHERNET TO RS485 COMMUNICATIONS

Standard configuration uses two communication ports for two loops. Control 31 control panels per loop, 62 panels total.
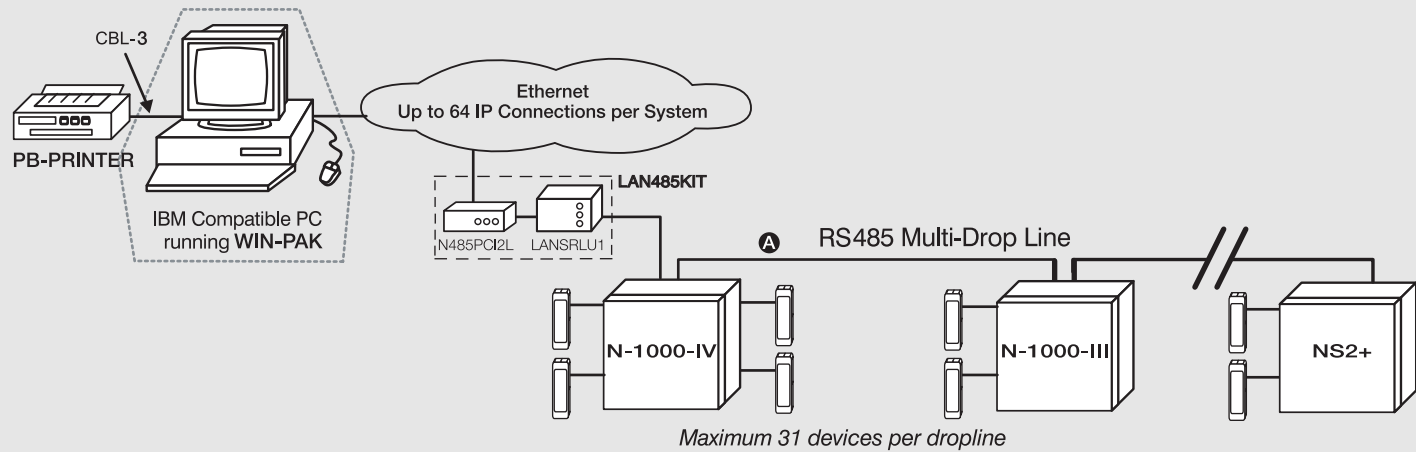
CBL-3

PB-PRINTER

IBM Compatible PC
running **WIN-PAK**

Ethernet
Up to 64 IP Connections per System

LAN485KIT

N485PCI2L   LANSRLU1

A   RS485 Multi-Drop Line

N-1000-IV   N-1000-III   NS2+

Maximum 31 devices per dropline

	LOCATION	WIRE TYPE	NON-PLENUM CABLE PART NUMBER	PLENUM CABLE PART NUMBER	DISTANCE RATING
A	N-485 dropline cable	120 ohm, 20.3 pF twisted pair shielded	NC2441-TN	NCP2441-TN	4,000' total

RS485 COMMUNICATION LEGACY

Standard configuration uses two communication ports for two loops. Optional configuration of up to 32 ports/drop lines is available.
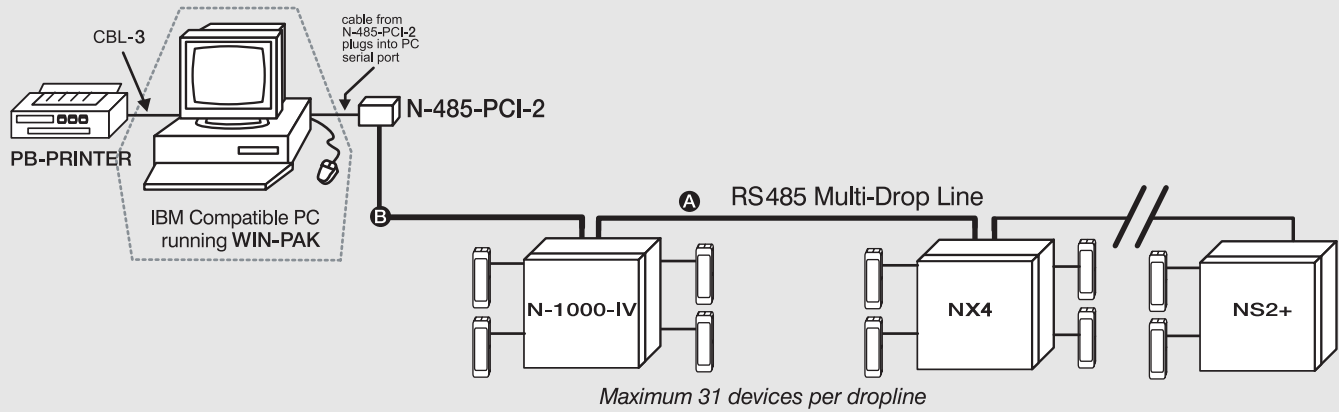
Maximum 31 devices per dropline

	LOCATION	WIRE TYPE	NON-PLENUM CABLE PART NUMBER	PLENUM CABLE PART NUMBER	DISTANCE RATING
A	N-485 dropline cable	120 ohm, 20.3 pF twisted pair shielded	NC2441-TN	NCP2441-TN	**4,000' total**

RS485 COMMUNICATION NETAXS

Up to 30 downstream panels
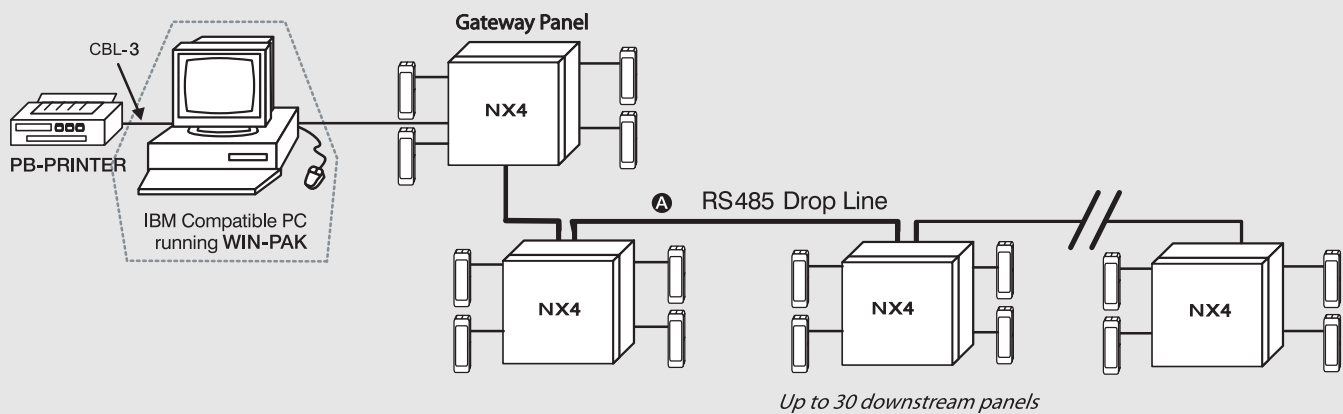
*Any NX4 panel can be configured as a Gateway Controller.

	LOCATION	WIRE TYPE	NON-PLENUM CABLE PART NUMBER	PLENUM CABLE PART NUMBER	DISTANCE RATING
A	N-485 dropline cable	120 ohm, 20.3 pF twisted pair shielded	NC2441-TN	NCP2441-TN	**4,000' total**

Additional Information

HONEYWELL ACCESS SYSTEMS SALES POLICY

We at Honeywell Access Systems believe that service and support play an important role in the success of our business. In order to ensure our customers receive both accurate and reliable information, your call may be monitored by Honeywell's management team. This is another way in which Honeywell Access Systems is continuing to provide the highest level of service and support in the industry.

1. Ordering
Customer may order Products from Honeywell by faxing Honeywell's Customer Service department and by issuing a purchase order specifying the quantity of products, the desired delivery date, shipping method, and the locations to which Product should be shipped.

Honeywell reserves the right to refuse any purchase order, and is not bound to honor it, unless a paper copy via fax or mail has been received at Honeywell's Oak Creek (Milwaukee), Wisconsin headquarters.

Orders received without a requested shipping date will be scheduledfor shipment according to current Honeywell production schedules. Payments are accepted in U.S. currency only. Exceptions to this policy are handled on an individual basis. Prices are subject to change without notice. Minimum order amount accepted by Honeywell is $100.00 net. Cancelled orders are subject to a minimum l5% cancellation charge if canceled within forty-five (45) days of placing the respective purchase order. Special (spec) or custom (cust) order items that cannot be cancelled with our suppliers are subject to a 100% cancellation charge.

A minimum order of 25 is required on stock card items. Call for a quotation and minimum requirements on non-stock cards (i.e. custom/special cards).

2. Delivery and Shipping
Orders will be assigned estimated ship dates based on product availability and the date Honeywell receives and accepts the order. Honeywell shall make every reasonable effort to meet delivery date(s) quoted or acknowledged. However, Honeywell will not be liable for its failure to meet such dates. Orders which cannot be shipped for more than 90 days may be canceled.

Honeywell shall not be liable for loss, damage, detention, or delay due to war, riots, civil insurrection or acts of the common enemy, fire, flood, strikes, or other labor difficulty, acts of civil or military authority including governmental laws, orders, priorities or regulations, acts of the Customer, embargo, wrecks, or delays in transportation, inability to obtain necessary labor, materials or manufacturing facilities from unusual sources, or other causes beyond the reasonable control of Honeywell. In case of delay in performance due to any such cause, the date of delivery or time for completion will be adjusted to reflect the actual length of time as may be necessary to properly reflect the delay.

The Customer's receipt of Equipment shall constitute a waiver on any claims for delay.

In the event that Customer requests a guaranteed ship date Honeywell reserves the right to add to the purchase price, subject to Customer's approval, expenses which increase the costs of production, (i.e. freight charges, overtime expenses, etc). Honeywell reserves the right to make shipments of complete orders in advance of the ship dates specified and partial orders with prior approval from Customer. Claims for delays in shipment, shortage and damage must be initiated by Customer with the carrier.

3. Freight and Title
Title and risk of loss or damage to the Equipment shall pass to the Customer upon tender of delivery FOB at Honeywell's facility, except that a security interest in the Equipment or any replacement shall remain with Honeywell, regardless of mode of attachment to realty or other property, until full payment has been made therefore.

Customer shall do all things and acts necessary to perfect and maintain said security interest and shall protect Honeywell's interest by adequately insuring the Equipment against loss or damage from any cause and Honeywell shall be named as an additional insurer. Customer shall provide Honeywell with certificates of insurance coverage.

Claims for shortages and damages enroute must be promptly filed with the delivery carrier by the Customer.

Shipments will be routed by the most expeditious and reasonable method. Freight charges will be prepaid and added to the invoice. Use of carriers other than Honeywell's preferred carrier(s) may be subject to additional handling charges to the Customer.

All freight charges, including warranty shipments, are the Customer's responsibility.

4. Payment Terms
Standard domestic terms are 2% discount if paid within ten (10) days, or NET thirty (30) days. Terms for international sales may require Letters of Credit rather than open credit terms subject to Credit Department approval. All claims and/or disputes concerning billing issues and discrepancies must be submitted to Honeywell for consideration within thirty (30) days from invoice date. Otherwise, all billings are considered final after 30 days.

Unless otherwise agreed to in writing by Honeywell, Customer shall pay all invoices issued within thirty (30) days from the date of invoice. Orders exceeding $50,000 and/or orders involving custom products, will generally require progress payment terms

due with an order at the time of shipment, and net 30 days after shipment. Honeywell reserves the right to change the credit terms at any time, when, in Honeywell's opinion, Customer's financial condition or previous payment record so warrants.

Interest shall accrue on all past due invoices at the maximum legal rate or 1.5% per month (18% APR) whichever is lower. Honeywell may place Customer on a C.O.D. basis in the event that Customer's account becomes delinquent or Honeywell becomes insecure about Customer's financial capabilities. In the event it becomes necessary for Honeywell to incur collection costs or initiate suit to collect any amount under this agreement, or any portion thereof, the Customer promises to pay such additional collection costs, charges, and expenses including reasonable attorney's fees if the account is placed in the hands of an attorney for collection.

5. Taxes
The prices do not include any Federal, State, or local property, license, privilege, sales, use, excise, gross receipts, or other like taxes which may be now or hereafter applicable to, measured by, or imposed upon or with respect to this transaction, the Equipment, its sale, its value or its use, or any services performed in connection therewith. Such taxes will be itemized separately to the Customer, who shall make prompt payment to Honeywell.

Honeywell will accept a valid exemption certificate from the Customer, if applicable. If an exemption certificate previously accepted by Honeywell is not recognized by the governmental taxing authority involved, Customer agrees to promptly reimburse Honeywell for any taxes covered by such exemption certificate which Honeywell is required to pay.

6. Claims
Claims for price adjustment must be submitted to Honeywell Customer Service Department within thirty (30) days from date of invoice in question. Claims for shortages, or incorrectly filled orders, must be made within ten (10) days after receipt of shipment.

7. Credits
Credits will be issued for material that is re-sellable, brand new, and unopened in its original box. Orders that are accepted for return within forty-five (45) days after shipment are subject to a minimum 15% restocking charge. Orders that are accepted for return between forty-five (45) and ninety (90) days after shipment are subject to a minimum 40% restocking charge.

No returns will be accepted for credit later than ninety (90) days after shipment.

8. Limits of Liability
Honeywell's sole Liability and the Customer's exclusive remedy for damages regardless of theory, shall not exceed the cost of correcting the defect and in no event shall such liability be greater than the purchase price paid by the Customer for the defective equipment. Honeywell SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR SPECIAL, INDIRECT NOR CONSEQUENTIAL DAMAGES OF ANY KIND.

Customer shall hold harmless and indemnify Honeywell from and against all claims, demands, losses and liability arising out of damage to property or injury to persons occasioned by or in connection with the acts or omissions of Customer and its agents and employees, and from and against all claims, demands, losses and liability for costs of fees, including reasonable attorneys' fees, in connection therewith.

9. Product Design
Honeywell reserves the right to discontinue the manufacturing of any of the equipment, to make changes in their design or to add improvements to the equipment at any time without prior notice to the Customer, provided that Honeywell shall not be required hereby to change equipment previously sold. No part of this paragraph will be deemed to affect the obligation of Honeywell to fill orders previously accepted.

10. Software License, Warranty and Service

DEFINITIONS
"Licensed Program" means a software program and any updated, improved or otherwise modified version ("Release") of such a program and any related materials, in machine readable and/or printed form, furnished to Licensee by or on behalf of Honeywell, including any materials provided under any Honeywell software service, and any full or partial copies of any of the foregoing. License Programs include, but are not limited to, Operating Systems, Communications Software, Query Languages, Honeywell Programs or any applications packages obtained from Honeywell.

"Honeywell Program" means a Licensed Program owned by Honeywell, or for which Honeywell has the independent ability, including the right to use source code, to provide maintenance and support.

"Designated Equipment" means, with respect to each Licensed Program, the specific computer and peripherals (hereinafter called "Hardware System") or with respect to any subsequent releases, the particular Hardware System for which Licensee has paid Honeywell's applicable fee.

LICENSE GRANT AND SCOPE
Subject to the terms above, Honeywell hereby grants to Licensee and its third-party customer, and Licensee accepts a nontransferable, nonexclusive license to resell each Licensed Program only on the Designated Equipment for the Release in question. Licensee expressly understands that a Licensed Program cannot be transferred to, or used in connection with, any Hardware System not licensed by Honeywell to operate the Release in question.

Upon request, Honeywell may license Licensee, for an additional fee, to use some of the Licensed Programs in connection with a Hardware System which Honeywell determines to be compatible

after conducting an inspection at Honeywell's usual charges for such inspection. Releases furnished after such inspections are not warranted to work with future software revisions or to the Hardware System if modified after Honeywell inspection.

Licensee may obtain Releases beyond those originally furnished for particular designated equipment by either entering into a software support contract covering the Licensed Program and Designated Equipment, or placing a purchase order which identifies the Licensed Program, release number and Designated Equipment (by Hardware System identification number), and in either case, paying Honeywell's applicable fee.

ASSIGNMENT/TRANSFER
Neither the licenses granted hereunder nor the Licensed Programs may be assigned or transferred without the prior written consent of Honeywell, and any such attempt will void the license. If Licensee desires to transfer the Designated Equipment to another third party for continuing use by such party, Honeywell agrees, upon Licensee's request and subject to Honeywell's reasonable approval, to offer to enter into a standard Honeywell license agreement covering the Licensed Program(s), Licensee may transfer the Licensed Program(s) to such third party on payment of an additional fee of $100 to Honeywell. In the absence of such an agreement, if Licensee transfers the Designated Equipment, Licensee shall promptly return to Honeywell the Licensed Programs, including all copies which contain any portion of a Licensed Program and external security devices.

MODIFICATIONS/COPIES
Honeywell grants to Licensee the right to modify and/or copy any Licensed Program in machine readable form as necessary for backup, archival or modification purposes only. Upon termination of the license for such Licensed Program, the license to use any modified License Programs is also terminated. Licensed Programs in printed form shall not be copied in whole or in part, but additional copies may be obtained from Honeywell at its then standard charges.

Licensee shall not reverse assemble or reverse compile any Licensed Program.

Licensee agrees that any copyright notices and/or proprietary notices appearing on any Licensed Programs will be reproduced and included on and in any modifications and copies, in whole or in part, of Licensed Programs.

OWNERSHIP
Honeywell either owns or has the right to license Licensed Programs. As between Honeywell and Licensee, Licensed Programs and all copies thereof, in whole or in part, including all portions of Licensed Programs contained in modifications, shall remain the sole property of Honeywell.

PROTECTION OF LICENSED PROGRAMS
Licensee agrees that Licensee and its employees will not provide or otherwise make available any Licensed Program or portion thereof in any form (including derivative programs) to any third party and will keep such materials in confidence. Licensee further agrees to limit availability of License Program only to those employees who need to use such Licensed Programs as permitted by this agreement.

SERVICES FOR HONEYWELL SOFTWARE PROGRAMS
With respect to each Honeywell Program included with a Honeywell system, Honeywell will furnish, without additional charge, the services described below for a period of 15 months from the date of shipment, or 12 months from the date of installation, whichever occurs first.

THE SERVICES ARE:
Upon Licensee's written request and furnishing Honeywell with all requested information, Honeywell will provide services for correcting or working around variances between the function of a Licensed Program and Honeywell's published user documentation, provided the variances occur on an unmodified version of Honeywell's most current Release of Licensed Program or the prior major Release made available by Honeywell, and is used on Designated Equipment in normal operating condition and with operating software and environment as specified by Honeywell. Honeywell will use all reasonable effort to correct or work around the variances described above, but does not represent or warrant that such variances will be corrected or worked around. If a problem is determined by Honeywell to be of Licensee origin, Licensee will pay Honeywell's standard charges for work performed in responding to the problem.

Any new releases of updates of the Licensed Program generally released by Honeywell to other Licensees at no charge.

The features of new software releases may require hardware upgrades of the processor, memory, hard drive, or other components for proper operation. Honeywell will specify all hardware requirements for new releases. It is the responsibility of the Customer to procure and install any required hardware upgrades at his own cost.

Any updates of applicable user manuals and new user manuals and guides generally released by Honeywell to other Licensees at no charge.

Consultation by telephone, during normal business hours, to assist Licensee with the application of Licensed Programs.

Honeywell's technical bulletins and alert bulletins as appropriate.

SERVICES FOR NON-HONEYWELL SOFTWARE PROGRAMS
With respect to each Licensed Program other than Honeywell Programs, Honeywell will use all reasonable effort (any litigation will be at Honeywell's option) to require all suppliers of such Programs to provide the services which they have contracted to perform for Honeywell 's Customers and which Honeywell has formally announced will be available at no charge, but Honeywell will have no other responsibility with respect to non-Honeywell programs.

TERM AND TERMINATION
Each License granted herein shall remain in force until Licensee discontinues use of the Licensed Program on the Designated Equipment, or until Honeywell terminates this agreement, or the License for such Licensed Program. Honeywell may terminate this agreement or any license hereunder: effective immediately upon notice if Licensee provides or otherwise makes available to any third party any Licensed Program or portion thereof, or upon thirty days notice if Licensee attempts to use any Licensed Program or modification thereof on equipment other than the Designated Equipment for the Release in question, or attempts to transfer any license or assign this agreement without the prior written consent of Honeywell, or fails to perform any other material obligation under this agreement, and does not cure such breach within such period. Immediately upon termination, Licensee shall return to Honeywell the Licensed Programs and all copies thereof, provided that Licensee may remove from such copies any modifications made by Licensee.

LIMITED SOFTWARE WARRANTY
All software is provided on an "as is" basis without warranty. Neither Honeywell nor its subcontractors or suppliers grant any warranty with respect to any Licensed Program or services furnished hereunder, and no warranties of any kind, whether written, oral, implied or statutory, including warranties of merchantability or fitness for a particular purpose, shall apply.

UPGRADES
Upgrades for all Honeywell software are available through Honeywell's Customer Service Department.

WARRANTY AND MAINTENANCE AGREEMENT (HOST SYSTEMS)
1. Honeywell provides warranty and maintenance for third party computer hardware and Honeywell software for 12 months from date of installation.
2. Limited assistance on third party computer hardware and soft-ware (including operating environment) supplied by Customer is available from Honeywell on a time and material basis.
3. Standard telephone assistance (M-F, 7AM – 7PM Central Time) is included for the first year in the system price. Additional software support services are available for a fee for the first and subsequent years.

11. Export
Products produced and sold by Honeywell are subject to either general or validated license controls under the United States export administration regulations. Export of this product without proper export license is prohibited by law.

For further information on requirements regarding the export of Honeywell's products, you may contact the U.S. Department of Commerce International Trade Administration, Washington, DC, 20230, or Honeywell at (414) 766-1700.

12. Warranty
Honeywell warrants its material and workmanship free from defects for a period of one (1) year from the date of original shipment to Customer. The warranty on terminals, printers, communications material and upgrade kits is ninety (90) days from the date of original shipment. Satisfaction of this warranty shall be limited to repair or replacement of material that is defective or becomes defective under normal use.

Return/Repairs: Defective warranty material must be returned to Honeywell's factory for repair or replacement. At Honeywell's discretion, the material will be repaired and returned or replaced within five business days. If defective warranty material is returned within ninety (90) days of original shipment, and is replaced, it will be replaced with new material. If defective warranty material is returned more than ninety (90) days after shipment, Honeywell, at its discretion, will replace with either new or repaired material. Special ordered equipment that must be returned to the vendor for repair may take longer.

Advancements: The prompt replacement of damaged or defective material prior to its return. Honeywell Access will invoice the customer for replacement material and subsequently issue credit upon receipt of the returned material. The customer must issue Honeywell Access a purchase order prior to shipment of replacement material. There will be an additional advancement fee for this service for which the customer will be responsible.

Test Fees: Any product received by Honeywell Access Systems that is tested and determined to be in good working condition, will be returned to the customer along with a testing fee that will be billed to the customer's account. The purchase order number that was supplied to Honeywell Access Systems for the advance replacement equipment will be used for the billing of this testing fee. The testing fee will not be refundable. In addition, the customer will not receive the credit for the return of the defective equipment and will be expected to pay for the replacement equipment that was shipped as an advancement.

PC On-site Warranty: All PC systems that are sold include a one (1) year on-site warranty for hardware related issues. Honeywell Access Systems guarantees next business day on site service for any problems brought to our attention prior to 3:00 p.m. CST. Honeywell Access Systems and/or our vendor will be required to provide troubleshooting over the phone with either customer or end-user to determine the extent of the problems. A purchase order must be supplied to the Honeywell Access Systems Customer Service Rep during notification of the problem

to ensure that any defective or unused repair parts are promptly returned to the vendor. In the event that the parts are not returned to the vendor, the customer will be billed for the unreturned items on the provided purchase order number. Any abuse of or power surges to the equipment will void the warranty. (Please see below for further definition of non-warranty issues.) The purchase order number will be used, therefore, to bill the customer for the non-warranty repair of the equipment.

Extended PC System Warranties: Additional maintenance agreements can be purchased to extend the warranty for our PC systems in time increments of one (1) year. These additional extended warranties will not exceed a total of two (2) additional years from the expiration of Honeywell's normal one (1) year warranty. These additional warranties can be purchased from our Sales Department. Please contact your Honeywell Access Sales Rep for more information on these additional warranties. Extended warranties for PC systems must be purchased during the initial warranty period only.

Extended Warranties: HID has extended its warranty to lifetime coverage on all of its products except ISOPROX and DUOPROX cards. Honeywell will honor HID's warranty for all new items purchased on or after January 1,1997.

Freight charges for warranty material is the responsibility of the Customer.

13. Non-Warranty
Honeywell's warranty shall not extend to any material which is determined to be defective as a result of misuse, improper storage, incorrect installation, operation or maintenance, alteration, modification, accident, acts of God, natural disaster, or unusual deterioration of the material due to physical environments in excess of the limits set forth in material manuals. (Refer to section above on Warranty.)

Return/Repair: Upon the receipt of defective or damaged material at Honeywell Access Systems, new or repaired replacement material will be shipped to the customer. The customer will be charged for repair or replacement material. Customer is required to issue a purchase order and is responsible for all freight charges.

Advancements: The prompt replacement of damaged or defective material prior to its return. Customers must issue a purchase order prior to shipment of replacement material. Customers will be invoiced a transaction fee for this advanced replacement service and for all repair or replacement costs, including freight charges.

Test Fees: Any product received by Honeywell Access Systems that is tested and determined in good working condition, will be returned to the customer along with a testing fee that will be billed to the customer's account. This testing fee will not be refundable.

14. Return Merchandise Authorization (RMA)
No material will be accepted for return to Honeywell's warehouse or factory without an RMA number, also referred to as a Return Authorization Credit (RAC) number. Customer will need to provide the following information to obtain a RMA number:

    a. Model number and serial number of the unit.
    b. If available, the shipment date of the unit
       (from packing list).
    c. A new purchase order number.
    d. Symptoms of the defective unit.
    e. Technical call reference number (for products in warranty).
    f. Method of shipment.
    g. Type of RMA required (advance replacement, repair/return, return only for credit or DOA)

Upon receipt of a Customer RMA request for either credit or repair of material, Honeywell agrees to either issue an RMA number or, per written Customer request, provide Customer with a written explanation for its refusal to issue the RMA within thirty (30) days of the request date. Unauthorized returns will be refused and returned to the shipper at the Customer's expense. An RMA number is valid for a period of ninety (90) days from the date of issue. After ninety (90) days, the RMA number will be voided. An RMA number will not be issued for special order or custom material, except for warranty repair claims.

15. Use of Trademarks
During the term of this Agreement or any extension thereof, Customer may use the tradename of Honeywell or any of Honeywell's trademarks, insignias, logos, or proprietary marks in connection with Customer's sales, advertisements, and promotions of the Products. Customer acknowledges that these trademarks and logos are valuable assets of Honeywell and Customer's use of such proprietary marks shall be in accordance with Honeywell 's direction and policies.

Customer specifically disclaims any right in any of the proprietary marks and shall not use the proprietary marks as part of the business name of Customer.

16. Promotional Expenses
Honeywell will furnish to Customer, at no cost, reasonable quantities of catalogs and other sales promotional literature regarding the Products. See last page for a listing of available promotional pieces. At the request of Customer, Honeywell will provide technical and/or sales training seminars for Customer's personnel, provided that such seminars can be scheduled within the time and travel schedules of Honeywell's personnel. Consult factory for seminar and training fees.

17. Federal Communications Commission (FCC) Registration

Honeywell warrants that each of the products is registered under and complies with Part 68 of the Federal Communications Commission's Rules and Regulations, including, but not limited to, all labeling and customer instruction requirements.

18. Infringement

In the event Customer received a claim that the Product or any part thereof infringes upon the patent, copyright, trademark or proprietary rights of others, Customer shall immediately notify Honeywell in writing of all such claims. Honeywell shall defend or settle such claims, and exercise its best efforts to procure for Customer the right to use the Products or modify the products to avoid infringement. Customer shall cooperate in the defense of any such claims as reasonably requested by Honeywell. Honeywell will indemnify and hold Customer harmless from any costs or damages resulting from such claims including reasonable attorney's fees. However, Honeywell shall have no liability or any claim based upon the combination with, operation of, or use of any Product not supplied by Honeywell or based upon alteration of the product by someone other than Honeywell.

19. Confidentiality

All software, drawings, diagrams, specifications, catalogs, literature, manuals and other materials furnished by Honeywell in relation to the design, use and service of the Products shall remain confidential and shall constitute proprietary rights of Honeywell and Customer agrees to treat such information as confidential. Customer shall acquire no rights in the design of the Products or the related materials except to use such information solely for the purpose of and only during the time it sells the Products. Customer shall not copy the design of any of the Products or use or cause to be used any Product design or related materials for its own benefit or for the benefit of any other party. The covenants contained in this section shall remain effective throughout the term of the Agreement and thereafter unless specifically waived by Honeywell in writing.

20. Relationship of Parties

The Agreement does not in any way create the relationship of joint venture, partnership, or principal and agent between Honeywell and Customer. Neither party shall have the power or ability to pledge the credit of the other nor to bind the other or to contract in the name of or create a liability against the other in any way for any purpose.

21. Non-Assignability

Neither party shall assign this agreement or its rights and obligations hereunder except with the prior written consent of the other party, which shall not be unreasonably withheld or delayed. Any unauthorized transfer or attempt to transfer or assign shall automatically terminate this Agreement.

22. General Provisions

A. Governing Law – This transaction shall be governed and construed in accordance with the laws of the State of Wisconsin, USA.

B. Remedies: Nonexclusive—No remedy conferred by any specific provision of these terms is intended to be exclusive of any other remedy and each and every remedy shall be accumulative and shall be in addition to every other remedy given here under or now or hereinafter existing in law, or in equity, or by statute, or by otherwise. The election of one or more remedies by either party shall not constitute a waiver of the right to pursue other available remedies.

C. Enforcement of Agreement – In the event of litigation relating to this transaction, the prevailing party shall be entitled to recover its attorney's fees associated with that litigation plus prejudgment interest at the legal rate computed from the date of the filing of such litigation.

23. Conflicting Terms

Honeywell rejects any terms or conditions stated by Customer or contained in Customer's purchase documents or correspondence which are in addition to, conflict with or limit the terms and condition herein. Customer's execution or other acceptance of this proposal or its acceptance of delivery of all or part of the goods to be delivered hereunder shall constitute Customer's acceptance of the terms and conditions herein and shall be deemed to exclude any additional, conflicting or limiting terms stated by Customer or contained in Customer's purchase documents or correspondence.

24. Fire Safety and Liability Notice

Honeywell hereby notifies installer that card readers should never be connected to any critical entry, exit door, barrier, elevator or gate without providing customers with an alternative exit in accordance with all fire and life safety codes pertinent to the installation. These fire and safety codes vary from city to city and approval from local fire officials must be obtained whenever using an electronic product to control a door or other barrier. Use of egress buttons, for example, may be illegal in some cities. In most applications, single action exit without prior knowledge of what to do is a life safety requirement. (Always make certain that any required approvals are obtained in writing. Do not accept verbal approvals, as they are not valid.) Honeywell also never recommends using the N-1000 or related products for use as a primary warning or monitoring system. Primary warning or monitoring systems should always meet local fire and safety code requirements. The installer must also test the system on a regular basis by instructing the end user in appropriate daily testing procedures. Failure to test a system regularly could make installer liable for damage to end user if a problem occurs.

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www.honeywellaccess.com

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Honeywell

For more information:

www.honeywellaccess.com

Honeywell Security

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