NetAXS™

Hybrid Access Control Panel

NetAXS™ gives users the flexibility to program and manage their system using an integrated Web-browser or through traditional PC-based access control software. The hybrid solution provides the best of both worlds by allowing customers to choose the level of security and functionality their business needs.

The embedded Web server lets users access and manage their information securely from any Web browser! Because multiple users can log in simultaneously using client-server architecture, NetAXS provides an inexpensive alternative to traditional PC-based systems.

Embedded Ethernet and secure communications ensures that NetAXS can work on new or existing IT infrastructures. The 10/100 Ethernet port ensures fast, reliable communications,

and all data is communicated over a Secure Socket Layer (SSL) encryption. NetAXS also withstands open-port and denial of service attacks, making it robust and secure in the IT world.

Built with the same robustness as the N-1000, NetAXS incorporates N-1000 capabilities with new functionality that customers need. Whether adding to an existing legacy system or replacing an old panel, NetAXS is designed to be backward compatible with most installations with little programming or wiring changes.

FEATURES

- Four reader controller, expandable to 124 readers per Gateway controller

- 10,000 card memory

- 25,000 buffer capacity

- Eight SPDT, Form C relays rated at 12A@ 28 VDC, expandable to 72 total outputs per panel

- 14 supervised input points, expandable to 78 total inputs per panel

- Built-In Linux Web server

- Hybrid panel function

  - PC-based (WIN-PAK)

  - Web browser based (Internet Explorer/Netscape/Mozilla Firefox)

  - PC-based and Web based

    - Full control through PC

    - Monitor and view events through Web

    - Manually control doors, inputs and outputs

- Multiple communication options— RS232, RS485, Ethernet

- Built-In PCI interface (does not require 485PCI2 module)

- Drop-in compatibility with Legacy N-1000* control panels

- 12VDC Battery Backup (Small) 24VDC Battery Backup (Large)

- UL294 listing/CE Certification

* Consult www.honeywellaccess.com for exact specifications. Not compatible with 20mA C-100-A1 interface, AEP-3 relay expanders, 10-wire matrix keypads and Inputs 15 and 16.

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BENEFITS

Innovative Technology

NetAXS is the only hybrid access control solution available in the industry today. It offers expandable capabilities that make it truly 'future-proof.'
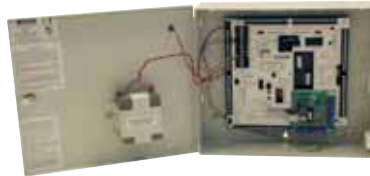

Intuitive Interface

NetAXS is perfect for users who are new to access control. Simple programming and menu options are intuitive, reducing the learning curve.

Simple Installation

The NetAXS large enclosure was designed for installers and features pre-wired power and connectors that allow installers to hang it up, plug it in, and go!

No Software Issues to Troubleshoot

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.

Legacy Compatible

NetAXS is the replacement to legacy N-1000 product. NetAXS offers the opportunity to expand most existing systems to take advantage of the latest technologies.

Flexible and Expandable

Customers can start with the Web. If their access control needs grow beyond the capability of the Web system, they can easily migrate to the WIN-PAK platform and expand their system further.

INTEGRATED WEB SERVER

Web capabilities

- Remote monitoring of alarms and events

- Detailed report viewer

- Manual control of readers, locks and other devices

- Multiple user connections per system

- Special functions:
  - N-Man rule
  - Supervisor rule
  - Escort rule
  - Limited use (number of uses or dates)

- Global time zones

- Automatic clock synchronization

NetAXS has a built-in Web server that allows users to access and manage their system from any Web browser.

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FEATURES

Database

- Cardholders: 10,000 standard
- Unrestricted cardholders using host/grant (when connected to WIN-PAK)
- Transaction storage: 25,000 standard

Communication

- On-board Ethernet, RS485 and RS232
- Built-in RS485 PCI interface (No PC to panel converter required)
- RS485 for downstream I/O devices

System Overview

- Motorola 32-bit Coldfire processor
- Embedded Linux Web server
- Four reader controller, expandable to 124 readers per gateway controller
- 14 supervised input points, expandable to 64 inputs
- Eight relays, SPDT 12A @ 28 VDC, expandable to 64 outputs

- Flash programming for firmware revision updates
- Dedicated panel tamper alarm and power fail
- Real time clock: Geographic time zone support/daylight saving time

Embedded Web Browser

- Complete system programming from Web interface
- SSL – Secure Socket Layer Encryption
- Live event viewing
- Real-time manual system control
- Detailed report generator

Environment

- Temperature: 35-110°F (2-43°C) operational
- Humidity: 0 to 85% RHNC

Wire Requirements

- Ethernet – Category 5 cable
- Power - twisted pair, 18 AWG (recommended NC1821-OR, 1000 ft.)
- RS485 - 24 AWG, 4,000 ft./1,200m max, two twisted pair with shield (recommended NC2441-TN, 1000 ft.)
- Alarm input - twisted pair, 22 AWG 2000 ft. (recommended NC2221-BR, 1000 ft.)
- Reader - five wire, 18 AWG up to 500 ft. (152m) (recommended NC1861-BL-500)
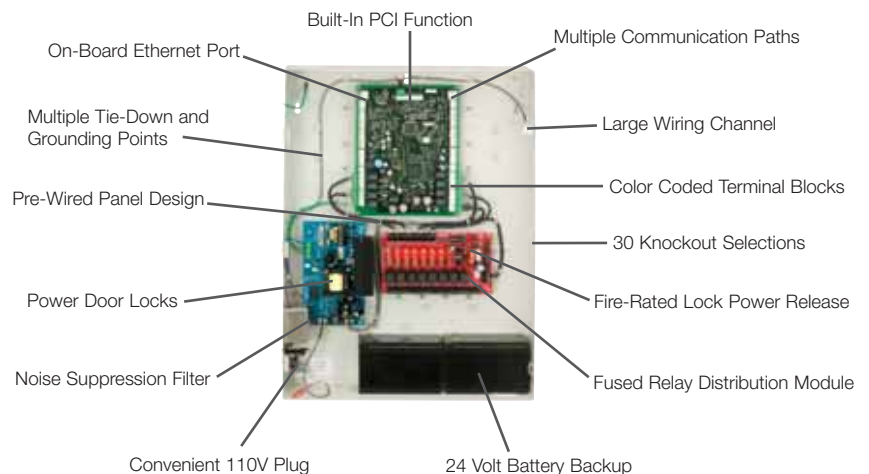
Dimensions

- Large Enclosure
  17.7" W x 23.9" H x 3.54" D
  (45.0 cm W x 60.7 cm H x 9.0 cm D)
- Small Enclosure
  14.5" W x 18.0" H x 4.4" D
  (36.8 cm W x 45.7 cm H x 12.0 cm D)

EASE OF INSTALLATION

NetAXS features two enclosure options:

- The **Large Enclosure** includes the access control board, power supply, distributed relay module and battery backup and is perfect for new installations. It provides a multitude of conveniences that make it simple for a new installer.

- The **Small Enclosure** incorporates the control panel and battery. It is ideal to upgrade an existing access control panel.

Built-In PCI Function
On-Board Ethernet Port
Multiple Communication Paths
Multiple Tie-Down and Grounding Points
Large Wiring Channel
Pre-Wired Panel Design
Color Coded Terminal Blocks
30 Knockout Selections
Power Door Locks
Fire-Rated Lock Power Release
Noise Suppression Filter
Fused Relay Distribution Module
Convenient 110V Plug
24 Volt Battery Backup

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ORDERING

Control Panels

NX4S1 NX4 control panel with small enclosure, 16.5 VAC transformer, four surge suppressors, and 12 VDC, 7aH battery

NX4L1 NX4 control panel with large pre-wired enclosure, eight output fused relay board, 24 VDC, 6A power supply for panel and door lock power, four surge suppressors, and two 12 VDC, 7aH backup batteries

NX4PCB NX4 control panel only

Kits

NX4OP30S Standalone Web controller with four OP30HONE proximity readers, small enclosure, NX4 Control panel, 16.5 VAC transformer, four surge suppressors, and 12 VDC, 7aH backup battery

NX4OP30L Standalone Web controller with four OP30HONE proximity readers, large enclosure, NX4 control panel, eight output fused relay board, 24 VDC, 6A power supply, four surge suppressors, and two 12 VDC, 7aH backup batteries

NX4OP40S Standalone Web controller with four OP40HONE proximity readers, small enclosure, NX4 Control panel, 16.5 VAC transformer, four surge suppressors, and 12 VDC, 7aH backup battery

NX4OP40L Standalone Web controller with four OP40HONE proximity readers, large enclosure, NX4 control panel, 8 output fused relay board, 24 VDC, 6A power supply, four surge suppressors, and two 12 VDC, 7aH backup batteries

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Accessories

NX4IN NetAXS input module with 32 general purpose inputs with programmable circuit types. Up to two NX4IN per NX4 control panel.

NX4OUT NetAXS 16 output relay board with 16 general purpose 2A @ 30 VDC Form-C output relays. Up to four NX4OUT per NX4 control panel.

NX4AEP NetAXS accessory enclosure with 24 VDC Power Supply with room for (2) accessory modules (NX4IN and/or NX4OUT)

Honeywell