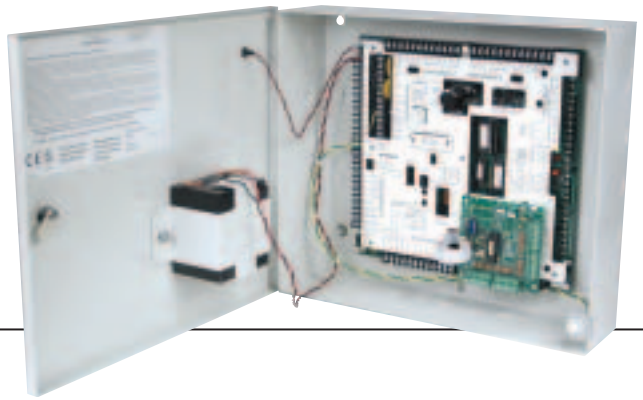
Honeywell

N-1000

Series Controllers



Versatility, reliability and expandability are the three main features that make the N-1000 one of the most popular access control panels ever.

Expandability is the most important feature of any access control system. The N-1000 can operate as a standalone two or four door controller, and up to 31 N-1000's may be connected on an RS485 drop-line as needs increase.

Using WIN-PAK™ access control software, a total system is achieved by having each drop-line connected to a communication port, modem or ethernet terminal server. The N-1000 is designed to operate off-line, making access control decisions independently from a PC or other controlling device. It can also be connected to a host computer for system configuration, alarm monitoring and direct control. Connectivity to the host computer is accomplished via direct serial communication (RS232 or RS485), dial-up modem or TCP/IP network connection.

Another key feature of the N-1000 is its completely distributed database. All information regarding cards, time zones, relay control and alarm points is loaded into the N-1000's memory, enabling the unit to operate completely independently of any other equipment.

The N-1000-IV-X allows for a card database of 25,000 cards and a transaction buffer capable of storing 6,600 transactions.

FEATURES

- Four reader control panel (N-1000-IV)
- Supports all major reader technologies and 16-digit ABA card formats
- Distributed database for independent operation
- Operates in remote site configurations with dial-up (requires M-56K and N-485-HUB-2) or leased lines
- N-1000-IV-X: 25,000 card memory
  N-1000-IV: 5,000 card memory
- N-1000-IV-X: 6,600 buffers
  N-1000-IV: 10,200 buffers
- RS485 and 20 mA legacy communications are jumper selectable
- Compatible with the N-1000-III
- 16 supervised alarm inputs. Separate inputs for tamper switch and primary power fail monitoring
- DPDT Form C relays; four on N-1000-IV, eight on N-1000-IV-X
- 63 time zones to control card access, relays and alarm points
- Relays are "time-programmable" for automatic control
- 12 VDC battery backup
- 12 VDC, 500 mA output for reader/IR devices
- Eight programmable card formats supported
- Preassembled, hinged, locking enclosure with battery and toggle switch
- UL294 listing/CE certification

N-1000
Series Controllers

RECOMMENDED COMPONENTS

Controllers:

- N-1000-IV four reader controller module
- N-1000-IV-X four reader controller module with four additional relay outputs and additional card capacity

Communication Devices:

- N-485-PCI-2 - RS485 direct connect to PC comm port
- N-485-HUB-2 - RS485 remote dial-up application (RS232 modem to 485 drop line)
- N485PCI2L - Convert RS485 to 232 for LANSRLU1
- LAN485KIT - Converter includes RS485 and LAN interface

Readers:

OmniProx Proximity Readers

- OMNI-10 (2-3" reader range)
- OMNI-30 (4" reader range)
- OMNI-40 (4" reader range)

HID Proximity Readers

- PR-MAX-PRO (24" reader range)
- PR-P-PRO (8" reader range)
- PR-PROXPRO-K-2 (8" reader range, card/keypad reader)
- PR-MINI-PROX (5" reader range)

Indala Proximity Readers

- FP603 (4" reader range)
- FP605 (4" reader range)
- FP610 (10" reader range)
- FP620 (24" reader range)

Wiegand Reader

- CR-1 (Wiegand swipe reader)

Magnetic Stripe Readers:

- NR-5 (track 2 reader)
- NR-2-WR (track 1 reader)

Keypads

- KP10 switchplate 11 wire matrix
- KP11 switchplate five wire Wiegand
- KP12 mullion mount 11 wire matrix
- KP13 mullion mount five wire Wiegand

Credentials:

HID Proximity Cards

- PX-4-H (34-bit)
- PX-26-H (26-bit)
- PVC-H-4 (34-bit for video badging)
- PVC-H-4-26 (26-bit for video badging)
- PVC-H-5 (34-bit with magnetic stripe for video badging)

Motorola Proximity Cards

- PX-121-I (26-bit)
- PVC-I-6 (26-bit with magnetic stripe for video badging)
- PVC-I-7 (26-bit for video badging)

Magnetic Stripe Cards

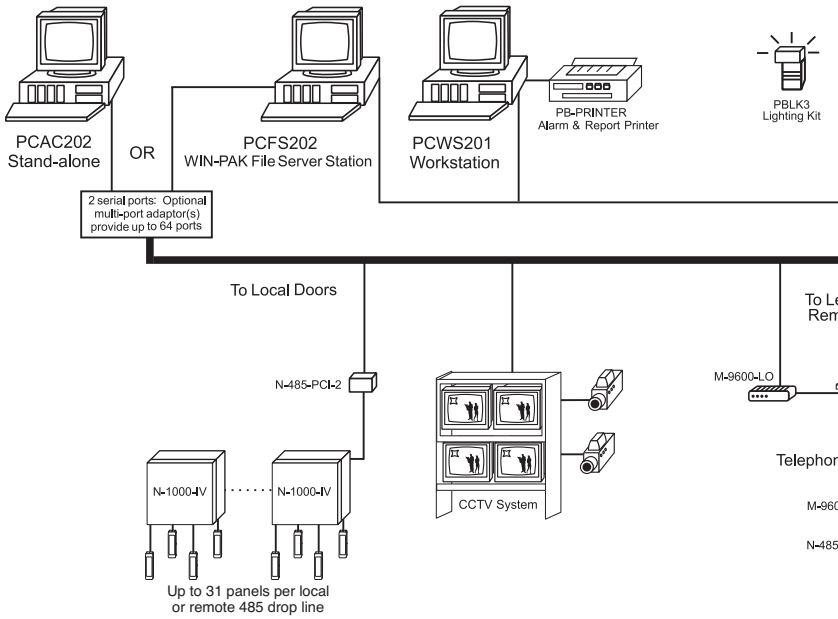
- NC-2 (32-bit standard)
- PVC-M-2 (PVC card for video badging)

Wiegand Cards

- SC-2 (26-bit with hot stamp number)
- PVC-W-2 (26-bit with hot stamp number for video badging)

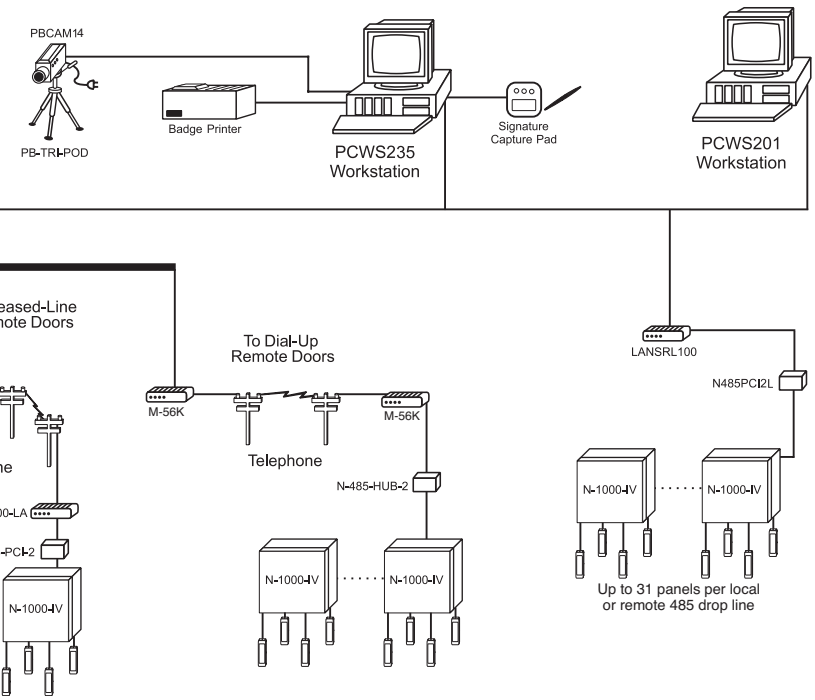
Miscellaneous:

X-4 power transformer for N-1000
S-4 suppressor kit for each active relay
BATT-replacement battery for N-1000-IV



BENEFITS

- Modular hardware architecture provides flexibility and expansion capabilities
- Large, local controller database allows access control decisions to be made by controller in real time without the need to communicate to the server
- Scalable architecture ensures optimal performance with a seamless upgrade path to accommodate future growth beyond its initial installation
- Supervised communication
- SuperCap instead of Lithium battery provides maintenance free backup of panel programming and data storage
- Optional support for TCP/IP protocols to allow intelligent controllers to tap into a LAN or WAN connectivity
- Supports multiple reader and card formats for maximum flexibility and security options
- Scalability makes the N-1000 very cost effective for all applications, from small to very large systems



N-1000
Series Controllers

SPECIFICATIONS

Database:
- Cardholders: 5,000 standard, 25,000 with memory expansion
- Transaction storage: 10,200 standard, 6,600 with memory expansion
- Holidays: 32
- Time codes: 63 per controller
- Card reader formats: Eight
- Credential facility codes: Eight
- Elevator support: 32 groups
- Leap Year support

Communication:
- Communication support:
  – RS485
- Communication speed: 38.4 KBps (RS485 Backbone) (1200-4800 baud/20 mA)
- Automatic dial back:
  – Dial back on alarm condition
  – Dial back when transaction buffer capacity is reached
- Download functionality:
  – System functional during system download: Yes
  – System functional during credential download: Yes

Operational Functionality:
- Duress detection
- Card/PIN:
  – Credential only
  – Credential and PIN
- Anti-passback support:
  – Learn
  – Hard
  – Forgiveness at midnight

Enclosure Dimensions:
- 14" H x 16" W x 4" D (35.56 cm H x 40.64 cm W x 10.16 cm D)

Weight:
- 21 lbs (9.5 kg)

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

Wire Requirements:
- Power - twisted pair, 18 AWG
- RS485 - 24 AWG, 4,000 ft/1,200 m max, 2 twisted pairs with shield (120 Ohm, 23pF, Belden 9842 or equiv.)
- Alarm input - twisted pair, 22 AWG 2000 ft
- Reader - 5 wire, 18 AWG up to 500 ft (152 m)
- Matrix keypad - 11 conductor up to 500 ft (152 m)

ORDERING

N-1000 Series Controllers

N1000K4	Kit N-1000-IV with enclosure, transformer, suppressors
N1000K4X	Kit N-1000-IV-X with enclosure, transformer, suppressors
N-1000-IV	Four reader controller module, four DPDT relays, 16 supervised inputs
N-1000-IV-X	Four reader controller module, eight DPDT relay outputs and additional card capacity

Hardwired communication devices for N-1000 series controllers

N-485-PCI-2	RS232 to RS485 single port converter

Network communication devices for N-1000 series controllers

N485PCI2L	RS485 interface for LANSRLU1
LAN485KIT	Kit with LANSRLU1 and N485PCI2L

Dial-up communication devices for N-1000 series controllers

N-485-HUB-2	RS232/25 pin modem converter to RS485
M-56K	Dial-up modem

Miscellaneous

X-4	Power transformer for N-1000
S-4	Suppressor kit for each active relay
BAT-3	12V, 4A replacement battery

For more information: www.honeywellaccess.com

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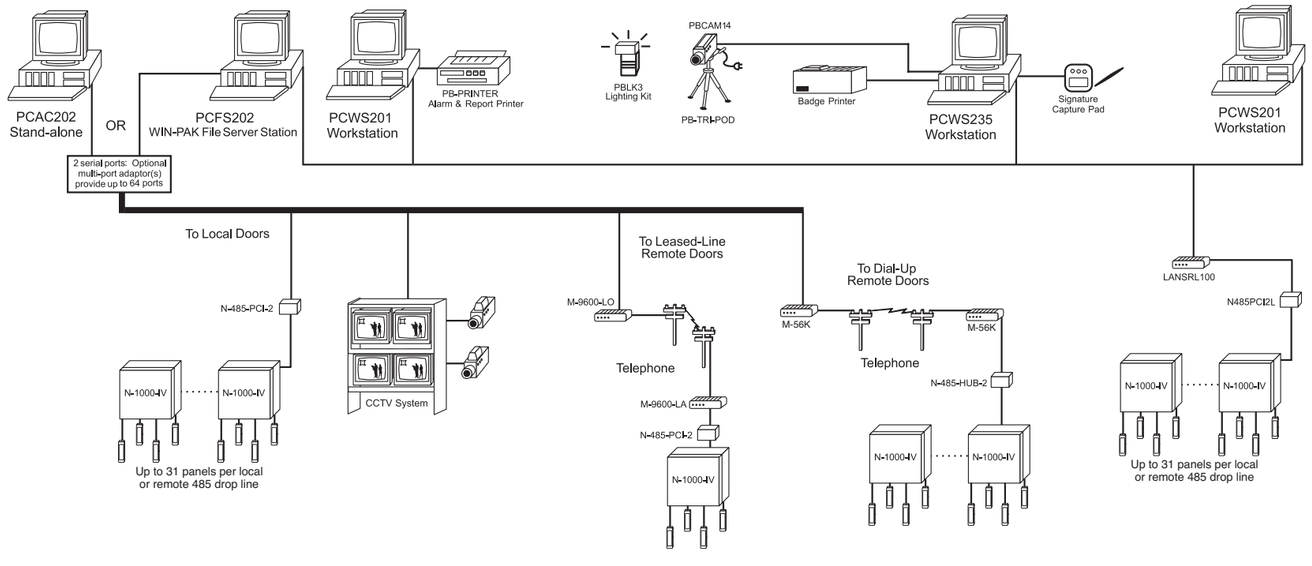

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