Networx Wireless Single-Door Access Controller

Wireless Networx Panel for universal use with most standard IDs & readers (use w/ standard 26-63 bit format Wiegand Readers)

Networx NetPanel

The Networx Panel is a single-door controller, communicating wirelessly (900MHz),accepting up to two Weigand output devices, and supporting virtually all card/reader technologies including Proximity, Smart, Biometric, magnetic stripe and Barcode and mobile credentials. In addition, 1.5 amps @12VDC is provided for accessories, e.g., power for strikes, mag locks, etc. Wiegand output devices are wired to the Networx Panel wireless controller and provide controlled access to authorized credentials when presented. In addition, the Networx Panel is equipped with two relays, N/O or N/C. One relay should be used for the unlock/lock/strike relay and the second relay is an auxiliary relay, for other functions, and can also be used as a shunt relay.

Also referred to as a NetPanel, it is Ideal when used where wiring isn't possible, such as a gated parking or gated communities (used with standard gate controllers). They are frequently used for education, healthcare, government, airports, courts, municipalities, and retail applications due to its flexibility and ease of use. Networx Controllers simply plug into AC power w/ supplied transformer and are protected within a locking steel enclosure, with provision for battery backup. Part of the Alarm Lock Trilogy Networx Series, it is also fully-integrated for use as a subsystem in several other Napco Access Pro Platforms, including Continental Enterprise and AirAccess Cloud-Based Hosted Solutions.

The Networx Panel communicates wirelessly, 900 MHZ, to one or more Networx Gateways, now available in two variations, wired/wireless or POE models, communicating via Ethernet or 802.11 B/G for a comprehensive wireless networked door access control system, ideal for retrofits. In addition to live discovery mode system enrollment, Gen. 3 Gateways also offer new preconfiguration offline/offsite via any smart device, such as an iPad or Tablet. Also, to extend wireless range, Networx Expanders can be use (Gen 2.)

The Networx Panel comes factory-preconfigured for use as part of a wireless Alarm Lock Networx™ system, but is also frequently used, and fully-integrated as a sub-system of Continental Enterprise** or AirAccess Hosted Platforms (E-Access Embedded integration coming soon). In these applications, the 1-door panel is "Discovered" on the system, and then the new system firmware, ie., AirAccess or Continental Enterprise, is downloaded. Subsequently, the system can be configured in that platform for users, schedules, holidays, groups, etc. Once programmed, the Networx Panel controller does not require continuous server communications, as it automatically stores system transactions in its internal memory. The Networx Panel Flash EPROM firmware is easily upgraded when additional features or system enhancements are required.

WITH READERS

Gateway
(1 supports up to 63 locks/panels) | Wireless Networx Panel | Wiegand Reader | ID Cards &/OR Built-in Mobile Credentials

Networx Panel Specifications

- Wireless Networx Panel for universal use with most standard IDs & standard Wiegand Readers readers (26-63 bit format)
- Supports 1 Door/2 Reader (In/Out)
- Door Position Switch & Request to Exit
- Optional use w/ electrified hardware (electric strike, mag lock, etc)
- 1-2 Wiegand output devices (readers &/or keypads) controlling one door
- Downloadable Firmware loaded to Flash memory
- Choice of 2 Gateways supports up to 63 1-Door Networx Panels (&/or Networx Wireless Locks)
- Inputs for door position contact to indicate the status of the door
- Inputs for a remote release button or sensor
- Proximity Card Formats Supported: Most formats supported
- Onboard bi-directional Networx Transceiver
- Operating Temperature: 14-120°F (–10-49°C)
- Input Power: 16.5VAC via Class 2 Plug-In 50VA- Transformer (supplied model TRF-14)
- Lock Power Output Current: 1.5A @12VDC, max.
- Wiegand Power Output Current: 250mA @ 12VDC ,max.
- Primary & Secondary Relays: SPDT Form C, N/O, N/C 8A @ 30VAC or VDC
- Provision for Backup Battery: Sealed Lead Acid 4AH for Approx. 2 hours at full load
- Metal enclosure, 12V power supply with transformer and provision for rechargeable backup battery
- Housing Dimensions (H x W x D): 10.5 x 8.5 x 3 in. (26.6 x 21.6 x 7.6 cm)
- Meets UL 62368; ETL LISTED. Certified to CAN/CSA STD. C22.2

Ordering Info

- **NETWORXPANEL** *Wireless Single Door Controller, 1-2 Wiegand Output devices (readers and or keypads).* Metal enclosure, 12V power supply with AC Plug-in transformer and provision for 4Ah rechargeable backup battery(not included).Shipped with Alarm Lock wireless lock software, upgradeable firmware to Continental Enterprise & AirAccess Platforms during "Discovery mode "enrollment on system.

- **ALA-IME3-80211** *Trilogy Networx 3rd Generation Gateways* interface up to 63 Networx Locks with a PC network. The new 80211 model now features networking via either a hardwire Ethernet connection &/or wirelessly via a bi-directional radio. Similar in function to the original Networx Gateway Modules, and able to be intermixed with them, but now featuring dual mode installation flexibility and new "Offline- Preconfiguration" from any smart device or PC/ laptop, i.e., enabling setup prior to getting on the job-site. Gen 3 Gateways require, support up to 7 of the same AL-IME2 Expanders (which extend the range up to 100 feet); 3 LED indicators display Gateway's operational status. Ceiling or Wall Mount.

- **AL-IME3-POE** *With all the features & functionality of the above*, but AL-IM3-POE (Power Over Ethernet) Hardwired Gateway interfaces Networx locks with a PC network with hardwire Power-Over-Ethernet. Gen 3 Gateways require support up to 7 of the same AL-IME2 Expanders
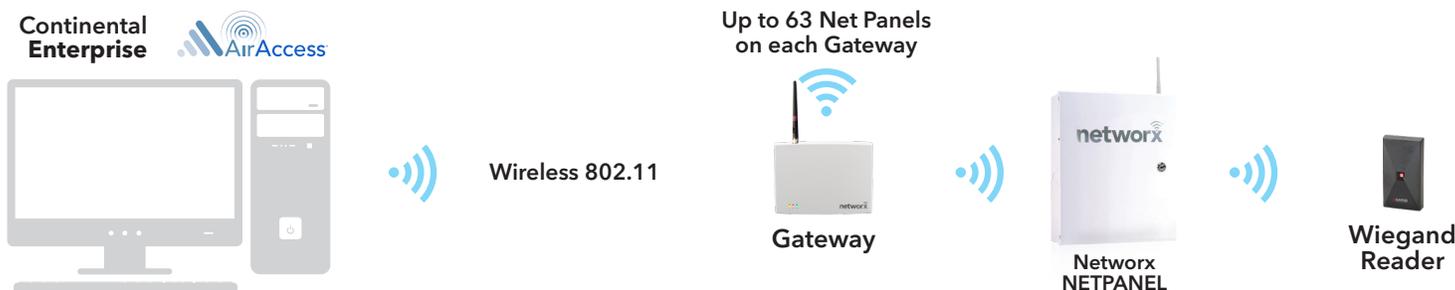
which extend the range up to 100 feet); 3 LED indicators display Gateway's operational status. Ceiling or Wall Mount.
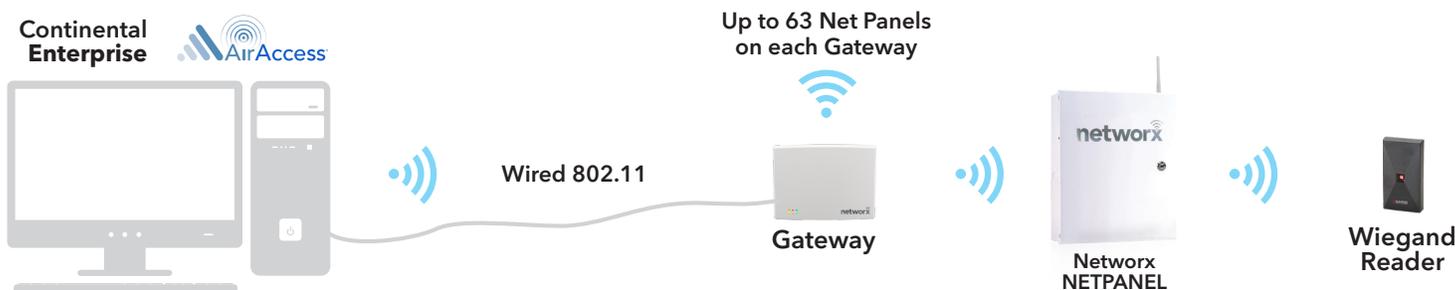
- **AL-IME2-EXP Expander** *Trilogy® Networx Expander* extends the coverage area BOTH Gen 2 & 3 Series Gateways to Trilogy Networx Locks within a PC network, allowing greater distances for the placement of up to a maximum rated capacity of 63 Networx locks per Version 2 or 3 Gateways. Ceiling or Wall Mount.

- **CA4K Continental Enterprise Integrated Access/Security/Video Security Management Platform,** for Single & Multi-Server Systems OR Database Engine (Microsoft SQL) see Specifications Sheet A700

- **AA-KIT1A AirAccess Kit 1** includes cellular communicator w/ X-Former (AT&T Network); Gateway for networking Wiegand Prox readers and NetworxPanel for up to 63 access doors (w/ Trilogy Networx or ArchiTech Locks); AirAccess cloud-based software + App w/ Built-in Mobile Credentials.

- **AA-KIT2APOWER AirAccess Kit 2,** As above but includes cellular communicator in locking metal enclosure with provision for standby battery backup power, (Note- Rechargeable 12V 4AH battery sold separately.)

WIRELESS

Continental Enterprise — AirAccess

Wireless 802.11

Up to 63 Net Panels on each Gateway

Gateway

Networx NETPANEL

Wiegand Reader

WIRED

Continental Enterprise — AirAccess

Wired 802.11

Up to 63 Net Panels on each Gateway

Gateway

Networx NETPANEL

Wiegand Reader

*** Note: Generation 2 & Gen 3 Gateways can be intermixed; All support Gen 2 Expanders. Napco Access Pro and Alarm Lock are sister divisions of NAPCO. AirAccess, Trilogy & Networx are trademarks of NAPCO Security Technologies., Inc. ** Note: Battery life is directly proportionate to lock activations: users, door usage, program updates and audit trail downloads. Expected 5 year+ battery consumption estimate assumes 2000 authorized users. **Supports varying versions Continental Enterprise (Enterprise, CA4K, legacy CA3000, consult tech docs.)