NAPCO Access

Mobile Cellular Cloud Wireless Locking Embedded Enterprise

# CA-1: Single-Door Surface Mount PoE Enterprise Access Controller

## One Door. Two Readers. Cloud or On-Premise Control.

**The CA-1 Single-Door PoE Controller supports two readers on one door & offers the flexibility of CA4K on-premise management or MVP Access cloud management. Its durable, locking metal cabinet is ideal for surface mounting on solid walls, including cement block and masonry. Designed for flexible installation, CA-1 features onboard Power over Ethernet to power the controller, compatible readers and a low-current electric strike within the available power budget. An external 12VDC power supply can also be used.**

Each CA-1 makes independent access control decisions, maintaining local operation when communication with the host is interrupted. With CA4K, up to 14 CA-1 controllers can be connected through a high-speed RS-485 repeater network using a single Ethernet connection. For MVP Access, each CA-1 connects directly via Ethernet, with onboard jumpers enabling Cloud Mode.

CA-1 accepts compatible Wiegand-output readers, including proximity, smart card, biometric, mobile credential, magnetic stripe, barcode, & keypad technologies. Reader 2 also supports OSDP RS-485 readers, providing additional installation flexibility.

The systems feature seamless, smart native integration, fast communications. It supports up to two readers & provides a range of features tailored to meet the demands of modern integrated access systems. Accepts industry standard Weigand output devices and supports virtually all card/reader technologies. Mobile, NFC, Proximity, Smart, Biometric, Magnetic Stripe, Barcode, Weigand & Keypad readers are easily connected and controlled.

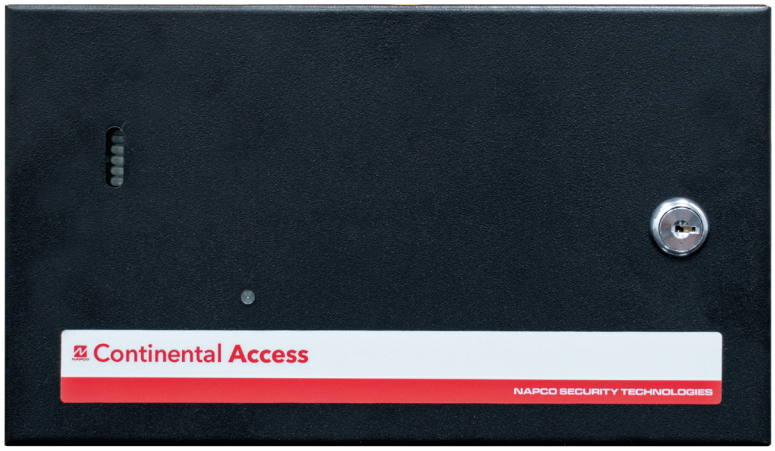
### CAPABILITIES:

- Supports 1 door with up to 2 readers
- Compatible with CA4K and MVP Access
- Onboard jumpers select standard CA4K operation or MVP Access Cloud Mode
- Supports two Wiegand readers, or one Wiegand reader and one OSDP RS-485 reader
- Onboard PoE Ethernet connectivity
- Supports up to 200,000 cardholders with 4MB onboard memory*
- Local access decisions support continued operation during host communication interruptions
- Standard 1,000-event transaction buffer
- 255 standard time schedules
- 1,000 standard access groups
- Five sets of 100 holidays
- Two MOV-protected Form-C relay outputs for door & auxiliary functions
- Reader & accessory power: up to 350mA at 5VDC & 700mA at 12VDC
- High-speed communications up to 921.6Kbps
- RS-485 repeater/multidrop panel networking with CA4K
- Four supervised dry-contact inputs
- Cabinet tamper switch with monitoring configurable in software
- Downloadable firmware through CA4K or MVP cloud-based download

### NEW! CA-1 PANEL

MVP by NAPCO ACCESS

**MVP CLOUD-READY**

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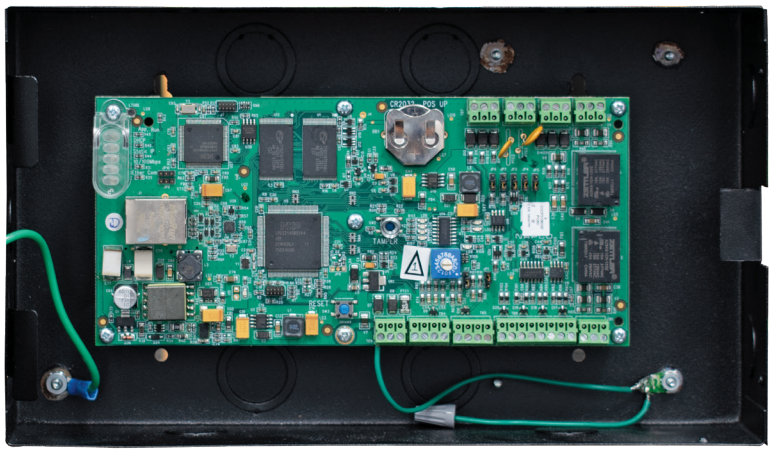

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## SPECIFICATIONS

### POWER

- PoE: IEEE 802.3af
- External power option: regulated 12VDC, minimum 1A, using a UL or ETL Listed access control power supply
- Reader & accessory outputs: 5VDC at 350mA maximum; 12VDC at 700mA maximum
- Onboard database backup: field-replaceable CR2032 lithium battery
- Memory backup duration: approximately one month at 25°C
- External backup power: four hours optional in the USA; 30 minutes required in Canada

### ENVIRONMENTAL

- Operating temperature: 32°F to 120°F (0°C to 49°C)
- Storage temperature: -32°F to 149°F (0°C to 65°C)
- Relative humidity: 0% to 85%, non-condensing

### PHYSICAL CHARACTERISTICS

- Surface-mounted locking metal cabinet
- Dimensions: 10.625" W × 6.25" H × 2.25" D
- Weight: 2.3 lb.
- Cabinet viewing window for power and Ethernet diagnostic LEDs
- UL 294 access control compliance
- Cabinet Tamper Switch
- ETL evaluated as a stand-alone access control unit

### CAPACITY AND CONNECTIONS

- Doors: one
- Readers: up to two
- Database memory: 4MB
- Card capacity: up to 200,000 with five-digit cards; up to 100,000 with 19-digit cards*
- Ethernet: 10/100Base-T
- Relay outputs: two Form-C dry-contact relays, rated 3A at up to 28V AC/DC
- Supervised inputs: four
- Access modes: Card Only, Unique PIN Only, Card and PIN, Free Access

## ORDERING INFORMATION:

**CA-1** 1-Door Controller.

**CA4K Enterprise Security** Management Software v.1.2+

**MVP Access** Cloud-hosted access control platform offering easy, scalable system management from a web browser and mobile app. Designed for fast installation and expansion from a few doors to enterprise applications, with integrated controllers, readers, mobile credentials & wireless locking solutions.

## MVP/CA4K Accessories, Locking Hardware & Controllers:

**MVP Access App** Featuring Mobile credentials with geo-fencing, Multifactor Authentication (MFA) & remote administrator functions, global/area-specific unlock or lockdown, etc. (IOS or Android)

**iLock for MVP Access** Mobile App for Bluetooth Mobile Credentials

**MVP-IM3-POE** Dedicated, Preconfigured MVP POE Gateway, Gen. 3 Power Over Ethernet, No AC power required

**MVP-IM3-80211** Dedicated Preconfigured MVP Combo Gateway, Gen 3 Wired/Wireless, supports wireless or hardwire Ethernet connection

**PDL6200** Cylindrical Trilogy Networx PIN/Prox. wireless access control lock with built-in HID proximity ID card reader & Door Position Switch/Request to Exit feature & Flashing Lock Down Indicator on Inside Door

**N90/N95 Series** ArchiTech Lock

**PDLN4100/PDLN4500** Privacy/Residential Locks

**PDL1300NW/DL1300NW** Narrow Style Locks

**PDL1300ETNW/DL1300ETNW** Narrow Style Exit Trim Locks

**PDL8200** As above, with iClass support

**PDL6600** Mortise Trilogy Networx PIN/Prox. wireless access control lock with built-in HID proximity ID card reader & Door Position Switch/Request to Exit feature

**DL6600** As above, with full-metal digital keypad only

## MVP Accessories (Continued):

**PDL8600** PIN/Prox Model as above, with iClass support

**PDL6300** Cylindrical Trilogy Networx double-sided PIN/Prox. wireless access control lock with built-in HID proximity ID card reader

**NICTF9215** Interconnected Wireless Smart Deadbolt with MIFARE credential reader, key-free exterior trim and one-motion egress

**NICT29215** Same as above, w/ Prox credential reader

**R-PH** Proximity Reader

**R-MI** MIFARE Reader

**NA-SIG40PO-NFC** Napco Access HID Signo Standard Format Reader with NFC Support

**NA-SIG20PO-NFC** Napco Access HID Signo Mullion Mount Reader with NFC Support

**NA-SIG40KPO-NFC** Napco Access HID Signo Standard Reader with Keypad and NFC Support

**NA-SIG20KPO-NFC** Napco Access HID Signo Mullion Mount Reader with Keypad and NFC Support

**ETPDN** Trilogy Networx wireless access lock trim with built-in HID proximity ID card reader

**ETDLN** As above, with full-metal digital keypad only

**ETPDN-RX** Trilogy Networx wireless access lock trim with built-in HID proximity ID card reader with Request to Exit feature

**ETPDNI-RX** As above, with iClass support

## Alarm Lock Wireless Locking: Choice of Native Integrated Trilogy Networx & ArchiTech Locks in cylindrical, mortise & exit trim models, including PIN/Prox and multitechnology reader opts., NFC, and Lock Bluetooth App, Gateways, standard AL-IM3 Series Gateways and AL-IME2 Expanders

**NETPANEL** Wireless single-door panel, for universal use with most standard IDs and standard Wiegand Readers readers (26-63 bit formats; supports 1 Door/2 Reader (In/Out); Door Position Switch & Request to Exit. *(NETDK/PDK not supported; Wiegand only)*

**AL-IME3-80211** Gen 3 Wired/Wireless Gateway *(requires firmware upgrade)*

**AL-IME3-POE** Gen. 3 Gateway, Power Over Ethernet, No AC power required *(Supports Gen 2 Expanders (requires firmware upgrade)*

**AL-IME2-EXP** Gen. 2 Wireless Expander (supports Gen 2/3 Gateways) *(For use with Both MVP Gateways and Alarm Lock GEN3 Gateways)*

**AL-IME2-PIE** Gen. 2 Plug-in Wireless Expander, AC power required *(For use with Both MVP Gateways and Alarm Lock GEN3 Gateways)*

**RR-1BUTTON** Optional single button remote keyfob

**RR-4BKEYFOB** Optional 4-button remote keyfob

**AL-NSG** Optional Gateway Simulator Aid

**AL-NSM** Optional Site Survey Tool for Networx Gateways

## Supported MVP/CA4K Controllers:

**CA-2** 2-Door Controller. Expandable to 4

**CICP2100** Single-Door Recessed for use in Double Gang Electrical Box, POE Enterprise Access Controller with Built-in Ethernet Port

**CICP1300** (SuperTwo) Two-Door Enterprise Access Controller (MVP requires NetBoard2)

**CICP1300MVPKIT** NetBoard2/MVP Cloud Kit for CICP1300 MVP Access Support

**CICP2800** 8-16 Door Enterprise Access Controller (MVP requires NetBoard2)

**CICP2800NETBD2** NetBoard 2 for CICP2800 for MVP Access Support

## Select Technical Documents:

**WI2719LF** CA-1 Installation & Service Manual

**WI2802ALF** MVP Access Getting Started Guide for Locksmiths & Locking

**WI2819LF** MVP-IM3-POE MVP Gateway Installation Guide

**WI2818LF** MVP-IM3-80211 MVP Gateway Installation Guide

**For More on Napco Access Pro & MVP Access Training & Intro Classes see www.napcosecurity.com/seminars**
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