# CICP1300: Expandable 2/4 Door Enterprise Access Controller

## Super Two Access Panel for One or Two Doors on the CA4K and MVP Access Supported Systems

CICP1300 Super-Two supports 2 readers and has 8 inputs, 1 tamper alarm and 5 relay outputs. A locking steel enclosure, power supply and 7AH battery are included. Plug-in network interface, memory expansion, keypad support and input/output expansion are optional. In addition to power for the controller and two readers, 1.2A at 12VDC is provided for accessories, including power strikes and mag-locks. 1.6A at 12VDC combined for all four relays, DRY/WET Selectable. Dry rating 2A at 12/24v up to 28v ac/dc.

Super-Two is an expandable intelligent controller capable of supporting all access control functions for two or four doors. This distributed processor-based controller will operate as a standalone unit in the event communications with the server are interrupted. The Super-Two is programmed via Continental Enterprise platform software, a Windows based access control, security management and video integration solution. Once programmed, the controller does not require continuous server communications, as it automatically stores systems transactions in its internal memory. The Super-Two's memory includes 16MB out of box, allowing for greater cardholder populations and/or a larger transaction buffer. The controller's Flash EPROM firmware is easily upgraded when additional features or system enhancements are required. All Continental's controllers feature extensive multi-stage lightning/ transient protection on-board for maximum reliability, even in harsh environments. CICP1300 accepts industry standard Weigand & OSDP V1 output devices & supports virtually all card/reader technologies. Proximity, Smart, Biometric, Magnetic Stripe, Barcode, Weigand and Keypad readers are easily connected and controlled, in addition to Networx & Architech PIN/ Prox Wireless Entry Locks. The Super-Two can store multiple (up to 10) card bit formats in its internal memory, making it a cost-effective retrofit panel. Supporting multiple bit formats allows existing card populations and readers to remain in place when upgrading to the Super-Two controller. Continental has integrated a network interface (optional) to allow the Super-Two to be directly connected to a local area- network (LAN). Combine that with a total of 16M of memory on board and you have a 2-reader network panel capable of storing 210,000 cardholders.

Up to 63 Continental Enterprise Controllers can be intermixed on the same communications port. Ports with only the Super-Two can communicate with the server at 57.6 Kbps. Multiple communication networks (ports) can be connected to one or multiple Continental Servers for maximum system expansion and faster communications between the controllers and the servers.

Controller communication choices include: Hardwire Ethernet LAN/WAN, RS422 or fiber optics for maximum flexibility. Continental Instruments supports Ethernet & RS-422 communication formats for optimal system configuration. RS-232 can be used for external Clock feature. **CICP1300IO Supervised Alarm/Relay Expander** is also available, to expand the capability of the Super-Two Access Control panel. Each I/O board allows for an additional 16 supervised alarm inputs and 16 Form C Relay outputs. The user may add a maximum of three (3) additional I/O boards per Super-Two.

## Capabilities

- 2 Door Controller. Expandable to 4 w/ CA-2XB
- 100,000 cards standard
- 2 Five-wire, Wiegand output readers. Expandable to four
- Cloud Mode Select Jumper support easily switch between standard CA4K Server Mode and Cloud Mode for MVP Access
- Built-In Ethernet Port
- AES 128-bit encryption
- Reader Power: Each Reader is rated for 12VDC @ 200mA and 5VDC @ 100mA. Total 12VDC @ 400ma and Total 5VDC @ 200mA
- 8 Supervised inputs. Up to 16 w/ CA-2XB Expansion Board
- 4 on board. Form C jumper selectable Dry/Wet. Dry relay max load 12/24V up to 28V AC/DC, 2 Amp (Power Limited Circuit). Wet Relay rated at 12VDC, Total 1.6A for all four relays (Power Limited Output). Up to 8 w/ CA-2XB.
- 48 Additional inputs/outputs (Supervised) using IO Boards
- Dual OSDP V1 / RS485 Reader outputs
- 1 dedicated Fire Alarm Input
- 1000 Standard transaction buffer. FRAM 512KB Dedicated Trans. Buffer
- 16MB On Board Memory
- 10/100Base-T Ethernet Interface
- Up to 64 CA-2 Controllers on a Ethernet to Repeat 422/485 Network
- 256 Time schedules
- 1,000 Access groups
- 50 holidays
- NVR/DVR integration
- Sophisticated NAPCO Alarm Integration
- APL Listed for FIPS compliance
- Capable of processing 256-bit cards from card to controller to software
- Battery Backup up to 4 Hours with max reader load. Sealed Lead Acid 7AH Battery included
- Enclosure Size 15.75"H x 13.85"W x 3.25"D, 14lbs w/ battery.
- UL Listings Optional UL294, UL1076, CE
- Meets UL62368; ETL LISTED. Certified to CAN/CSA STD. C22.2

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## EXPANSION BOARDS

In addition to memory expansion capabilities, the Super Two will accept up to three input/output expansion boards CICP1300IO. The input and output expansion boards are mounted in separate enclosure(s) within 24 inches of the Super-Two enclosure. One Alarm/Relay Expander Board provides 16 supervised inputs and 16 relay outputs. See CICP1300IOCOMBO for board in enclosure (right.).
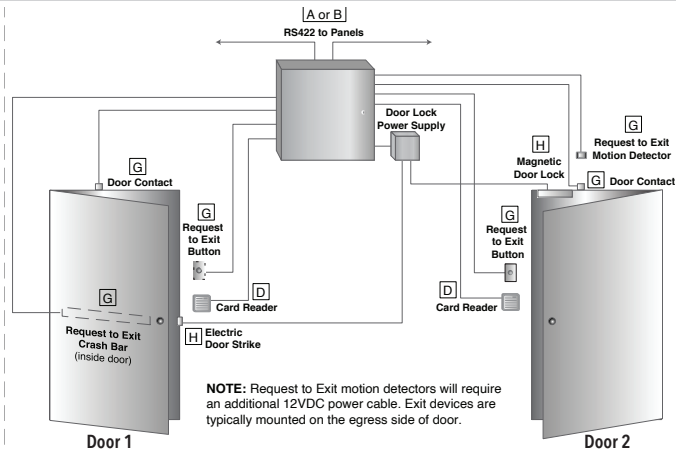
## NETWORK INTERFACE

To allow the Super-Two to be the most advanced and most flexible panel to date, Continental Instruments has integrated a Network Interface (optional) to allow the Super-Two to be directly connected to a local-area-network. Combine that with a total of 16M of memory onboard and you have a network panel capable of storing 125,000 card-holders.
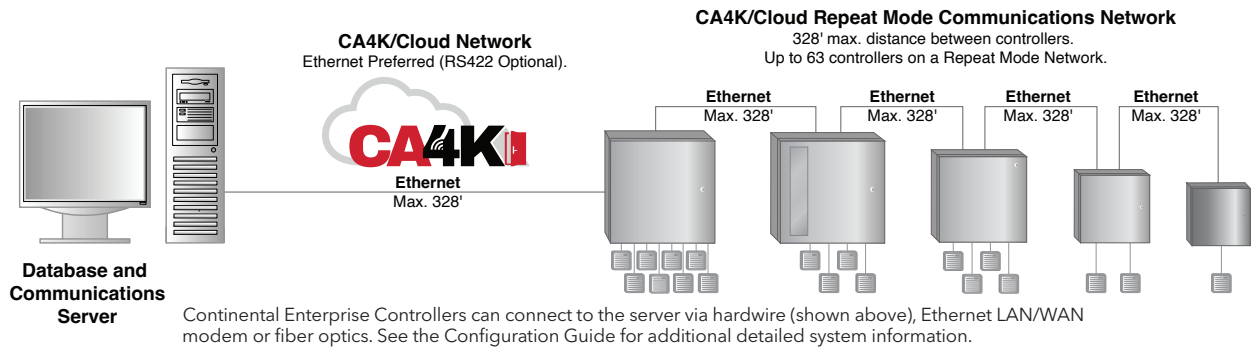
In addition to the rechargeable standby battery, each Super Two includes a on-board lithium battery for up to one year of data protection. Memory Battery 1 month nominal.

| PART NO. | DESCRIPTION |
|---|---|
| CICP1300 | Two (2) reader processing panel (for use with CA3000 V 2.0.25 and above) 512K memory standard upgradeable to 2.5M total memory capacity with up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 Relay outputs. Support for on-board LAN adapter, 57.6Kps, 6 Access Groups per cardholder Unit shipped complete in a lockable steel enclosure including battery standby for memory and system operation UL294 and CUL Listed. |
| CA-2MB | Same as above-Circuit Board Only |
| CICP1300IO COMBO | SUPERTWO IO EXPANDER, in Locking Enclosure with Power Supply/Charger and 1 CICP1300IOBD (16supervised alarm inputs,16 relay outputs). This unit can support (1)Additional CICP1300IOBD in this 18.75" x 13.85" x 3.25" enclosure. (CICP1300 supports 3, max.) |
| CA-2PS | CA-2 REPLACEMENT POWER SUPPLY |

## Typical Door Configuration



A or B
RS422 to Panels

Door Lock Power Supply

G Request to Exit Motion Detector

H Magnetic Door Lock

G Door Contact

G Door Contact

G Request to Exit Button

G Request to Exit Button

G Request to Exit Crash Bar (inside door)

D Card Reader

D Card Reader

H Electric Door Strike

**NOTE:** Request to Exit motion detectors will require an additional 12VDC power cable. Exit devices are typically mounted on the egress side of door.

Door 1

Door 2

## CICP1300 Two/Four Door Intelligent Controller



CA4K/Cloud Network
Ethernet Preferred (RS422 Optional).

CA4K/Cloud Repeat Mode Communications Network
328' max. distance between controllers.
Up to 63 controllers on a Repeat Mode Network.

Ethernet Max. 328'

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Database and Communications Server

Continental Enterprise Controllers can connect to the server via hardwire (shown above), Ethernet LAN/WAN modem or fiber optics. See the Configuration Guide for additional detailed system information.

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