

# SUPER-TWO

## CICP1300 2 Door Intelligent Controller



The two-reader Super-Two (CICP-1300) 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, X-Y matrix 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.

Super-Two is an expandable intelligent controller capable of supporting all access control functions for one or two 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 Instruments Corp CardAccess® software program, 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 is field expandable, 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 Instruments' controllers feature extensive multi-stage lightning/transient protection on-board for maximum reliability, even in harsh environments. The Super-Two accepts industry standard Weigand output devices and supports virtually all card/reader technologies. Proximity, Smart, Biometric, Magnetic Stripe, Barcode, Weigand and Keypad readers are easily connected and controlled. 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.

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 (LAN). Combine that with a total of 2.5M of memory

(requires optional 2M board) and you have a 2-reader network panel capable of storing 125,000 card-holders.

Up to 63 CIC Intelligent Controllers (MicroTerm, MiniTerm, SmarTerm, SuperTerm, Turbo SuperTerm or Super-Two) can be intermixed on the same communications port. Ports with only the Turbo Superterm and the Super-Two can communicate with the server at 57.6 Kbps. Multiple communication networks (ports) can be connected to the CardAccess® server (or to multiple CardAccess® communication servers) for maximum system expansion and faster communications between the controllers and the server(s). Controller communication choices include: hardwire (repeat or multi-drop mode), LAN/WAN, dial-up or fiber optics for maximum flexibility. Continental Instruments supports RS-232 and RS-422 communication formats for optimal system configuration.

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

### Super-Two Capacities

Cards	20,000 standard (expandable to 125,000)
Readers	2 (Weigand output)
Keypads	Support for 2 Weigand or X-Y matrix (optional interface required)
Reader's w/keypad	Simultaneous support for 2 Weigand readers + 2 Weigand keypads or 2 X-Y Matrix keypads
X-Y matrix keypad interface	Optional (required for X-Y matrix Keypads)
Standard Memory	512KB (upgradeable)
Memory expansion	2 MB optional (CIC P1300XYB2)
Network interface	plug-in 10-100 base T optional (CICE-PNETBD)
Standard Inputs	8 Supervised
Expanded Inputs	48 Additional inputs (Supervised)
Standard Outputs	5 Form C rated at 2.5A@24VDC/VAC
Expanded Outputs	48 Additional Form C rated at 3A@24VDC/VAC
Transaction Buffer	1000 standard (expandable to 145,000)
Time Schedules	255
Access Groups	1,000
Holidays	100
Power Input	120VAC/60Hz to 230VAC/50Hz
Power per reader	100mA@5VDC, 200mA@12VDC
Accessory Power	1.2A@12VDC available for powering strikes, mag-locks and other accessories
Battery Backup 7AH	4-6 hours (included)
Enclosure	Size 20"H x 16" Wand 3.5" D, 23 lbs.
UL Listing; CUL Listing	UL 294, CSA C22.2



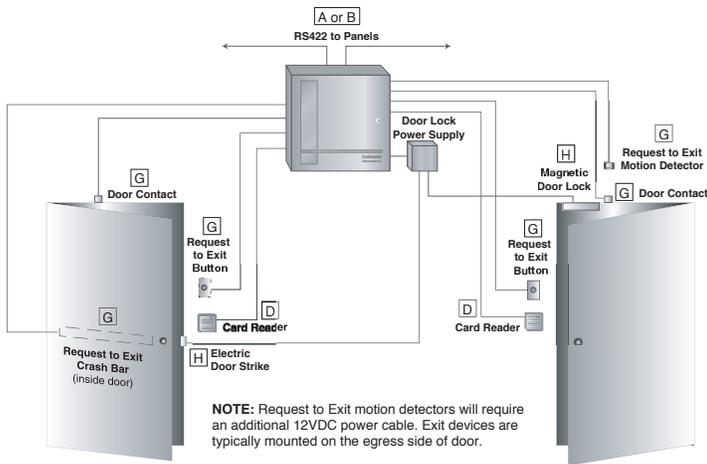
To allow the Super-Two to be the most advanced and most flexible panel to date, Continental Instruments has integrated a Network Interface (optional) to allow the Super-Two to be directly connected to a local-area-network. Combine that with a total of 2.5M of memory (requires optional 2M board) and you 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.

### UL294 (Access Control System Unit)

### Typical Door Configuration

See Continental Instruments Configuration Guide for additional detailed system wiring information.



Superterm-8 Components		
QTY.	Part No.	Description
1	CICP1300	Two (2) reader processing panel (for use with CA3000 V 2.0.25 and above) 512K memory standard upgradable 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 card-holder. Unit shipped complete in a lockable steel enclosure including battery standby for memory and system operation UL294 and CUL Listed.
1	CICP1300BD	Same as above-Circuit Board Only
1	CICP1300XYBD	X-Y MATRIX INTERFACE BOARD Optional interface when using 7-wire X-Y matrix keypads with the Super-two (not required for keypad with wiegand output)
1	CICP1300MB2	2MB MEMORY EXPANSION BOARD FOR SUPERTWO - up to 125,000 card capacity
1	CICP1300 NETBD	NETWORK INTERFACE BOARD FOR SUPERTWO - Optional plug-in adapter for communicating with the Super-Two over TCP/IP(LAN/WAN).
1	CICP1300ARBD*	ALARM-RELAY EXPANDER BOARD-Optional board adds 16 supervised inputs and 16 relay outputs.

NOTE: A maximum of 3 Expansion Boards may be added to a Super-Two panel. Requires additional enclosure.



### CICP1300 Two Door intelligent Controller

Continental Instrument's Controllers can connect to the CardAccess Server via hardwire (shown below), LAN/WAN dial-up modem or fiber optics. See the CIC Configuration Guide for additional detailed system information.

