

Accelaterm: CICIP2800 Super-Speed 8 or 16 Door Access Controller



CICIP2800

The Eight or Sixteen reader Accelaterm supports 8 readers (standard) or 16 readers (with optional Eight Reader Expansion Plug-in PCB) and has 24 inputs (Expandable to 72), 1 tamper alarm and 17 relay outputs (Expandable to 65). The Accelaterm also includes a locking steel enclosure, power supply and room for 2-12AH batteries (batteries are not included and must be purchased separately). Additional features include the Plug-in network interface (included on all units), memory expansion (optional) and input/output expansion (optional). In addition to power for the controller and eight readers, 600ma at 12VDC is provided for accessories, including power for strikes and maglocks.

Accelaterm is an expandable, high speed intelligent controller capable of supporting all access control functions for eight or sixteen doors. This distributed processor-based controller will operate as a standalone unit in the event communications with the server are interrupted. The Accelaterm is programmed via CardAccess@software (V2.9 and Higher), 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 system transactions in its internal memory. The Accelaterm's memory is field expandable, allowing for greater cardholders population and/or larger transaction buffer. The controller Flash EPROM firmware is easily upgraded when additional features or system enhancements are required. The Accelaterm offers a Virtually Environment & Power Outage Proof-Full onboard multi-stage lightning protection, for maximum reliability, even in harsh environment. The Accelaterm accepts

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 Accelaterm 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 Accelaterm controller.

To allow the Accelaterm to have the lowest acquisition & maintenance costs, Continental has integrated a network interface as a standard feature (included with all units) to allow the Accelaterm to be directly connected to a local area-network (LAN). Combine that with a total of 20MB of memory (4MB Standard, expandable to 20MB) and you have a high-speed, eight or sixteen reader network panel capable of storing Million+ badges.

Accelaterm Specifications

- Minimum 40,000 card capacity, 100,000 to 200,000 typical, expandable to Million+
- Eight or Sixteen Weigand Output Readers (Eight standard onboard), Eight additional readers with Optional Reader Expansion Plug-in PCB
- Eight or Sixteen Keypads (Weigand Format only)
- Superfast 54 MHz 32 bit processor
- Onboard direct-connect LAN adapter for speeds 921K BPS (standard on all units)
- Downloadable Firmware loaded to Flash memory 2 sec or less
- Under 5 minutes for full downloads (firmware and data).
- 24 Supervised inputs (Standard), Expandable to 72 using I/O Expander (3 I/O Expander Boards Max. on 8 Door and 2 I/O Expander Boards Max. on 16 Door)
- 17 Form C rated relay outputs (Standard-All relays 2.5 AMP PTC Limited), Expandable to 65 using I/O Expander (If 3 I/O Expander boards are used on a 16 Door Accelaterm, the inputs are not available on the third I/O Expander Board)
- 4MB on-board memory, expandable to 20MB
- 1000 Standard transaction buffer, Expandable to 10,000 (software dependent)
- 256 Time schedules
- 30,000 Access groups
- 5 Sets of 100 holidays
- Unsurpassed FIPS/CAC/TWIC performance
- Super-capacity power supply for max. standby and reader power
- Reader Power 1.5A@5VDC (total for all readers), 350mA@12VDC(max. for each reader)
- Accessory Power 600mA@12VDC
- Switchable P.S. 120 VAC/240 VAC, 120W Nominal
- Battery Backup 3-4 hours with 2-12 AH Batteries at Max. Load (Batteries not included)
- Enclosure Size 24.18"H x 16.13"W x 5"D, 48lbs.

Accelaterm Ordering & Options:

Expansion boards

In addition to memory expansion capabilities, the Accelaterm 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 Accelaterm enclosure. One Alarm/Relay Expander Board provides 16 supervised inputs and 16 relay outputs.

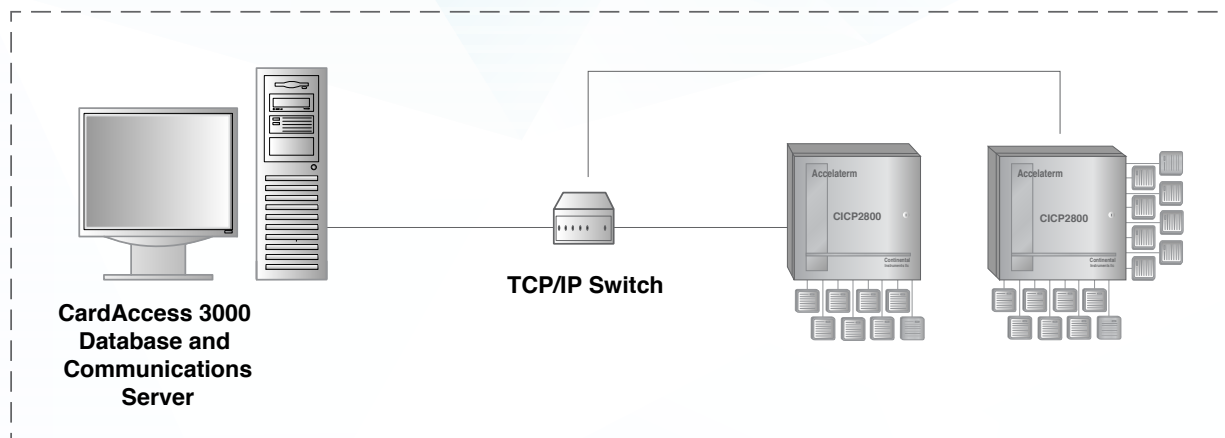
Network interface

To allow the Accelaterm to be the most retrofit-ready controller to date, Continental Access included a Network Interface (included with all units) to provide an onboard direct-connect LAN adapter for speeds over 921K.

Part No.	Description
CICP2800	Accelaterm Eight/Sixteen (8 /16) Reader processing panel (for use with CA3000 v.2.9 and above), super-fast 54MHz 32-bit processor; 4MB on-board memory capacity, expandable to 20MB; supports up to 40,000 cards, expandable to over a million; 24 supervised inputs, expandable to 72, 17 Form C-rated relay outputs (expandable to 65), tamper. Supports multiphase threat level management and lock-down. On-board direct-connect LAN adapter for speeds over 921Kbps, 30,000 access groups; 5x100 holidays; 256 time schedules. Unit shipped complete in a lockable steel enclosure including relay board for 8/16 doors, on-board ethernet adapter, power supply/charger and battery standby(batteries not included) for memory and system operation. UL294 and CUL Listed.
CICP2800EXPRDBD	Optional 8-Input Wiegand/Mag plug-in board, for door-contact monitoring and power.
CICP1300IOCOMBO	Optional Input/Output Relay Board provides 16 supervised alarm inputs and 16 Form C relay outputs. Supplied with RJ12 connector cable and within enclosure with power supply, charger and battery. (Can house one additional board, CICP1300IOBD.)
CICP18ACCEIABD	Optional High Speed Serial Comm. Board for Host Comm. only (NOT for repeat comm.)
CICP2800RS485BD	Optional Full-duplex EIA485 Repeater Board with ground fault isolation. (Plug-in board).
CICP1800NETBD	Ethernet Adapter (Best Option: Alternative to EIA and 485 communications).
CICP18ACCMEMBD	Optional 8MB Memory expansion board (stick), add up to 2ea. for 20MB memory, on CICP2800.
CICP2800RLYBD	17-Relay expansion board, provides 16 Form C-rated outputs plus tamper for CICP2800. (Replacement use.)
CICP2800PMBD	Accelaterm Mother board circuit board only. (Replacement use.)
CICP2800PCHGBD	Power charger board for CICP2800. (Replacement use.)
CICP2800PS150	12A power supply for CICP2800. (Replacement use.)

CICP2800 Eight/Sixteen Door intelligent Controller

The Accelaterm can connect to the CardAccess Server via 10 /100 Base-T LAN/WAN (Standard), EIA-232 (Optional) and EIA485 (optional). Refer to the Accelaterm Service and Installation manual for additional detailed system wiring information.



For more information, please contact your local sales representative or contact Continental Access directly at (631) 842-9135.



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