ELECTRONIC LOCKING SYSTEM

for CPI Cabinet Systems

KEY FEATURES

- Easy to use system created by combining five modular components: the Communications Module, the Electronic Lock Upgrade Kit, the Electronic Lock Control Module, the Keypad Module and the optional Proximity Card Reader Module.
- Each Communications Module can control access for up to 256 cabinets (512 doors).
- Up to five individual access codes for each door; doors can be assigned to 24 user groups to customize access for individual users.
- Easy sytem configuration with the included software; administrators can change access permissions quickly through an Ethernet network connection.
- Enter door access codes with a networked computer or through a Keypad Module located on or near the cabinets.
- Issue proximity cards to each user or guest as keys with the Proximity Card Reader Module; proximity cards can be programmed to open doors a specific number of times and can be programmed to expire after a certain number of uses or on a particular date.
- The included software maintains a detailed data log with entries for access attempts, configuration changes and changes in door swing handle/latch status.
- Monitor handle opened/closed status, generate alarm outputs for unauthorized entries and forward SNMP traps to designated computers.

APPLICATIONS

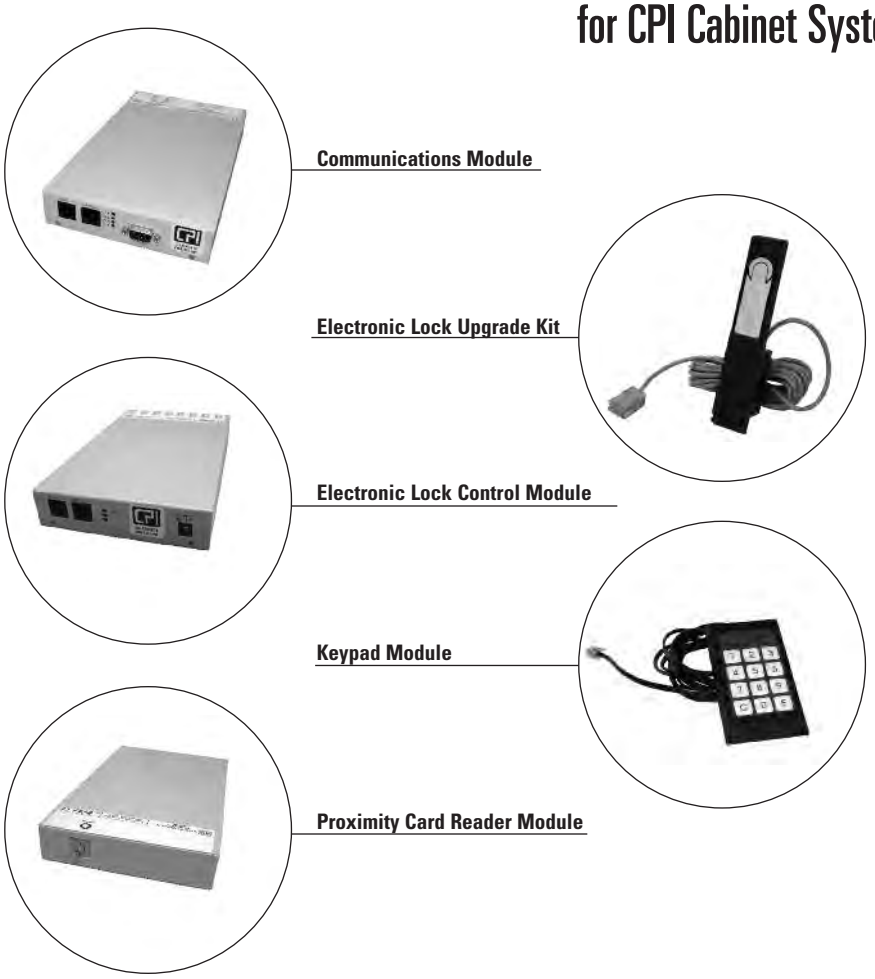
- The Electronic Locking System automates access control and monitoring for CPI Cabinets in your data center and equipment rooms.

USE WITH

- F-Series TeraFrame® Cabinet System
- N-Series TeraFrame® Cabinet System

RELATED ACCESSORIES

- Remote Infrastructure Management (RIM-600) System



Upgrade your cabinets with the Electronic Locking System to automate access control and monitoring in your data centers and equipment rooms. The Electronic Locking System is controlled by software allowing administrators to assign each user or guest an access code or proximity card that will open specific cabinets. The user or guest may use a proximity card or enter the assigned access code via an electronic keypad or computer terminal to access each cabinet. The lock control software creates a data log entry each time an access attempt is made.

Combine five components to create an Electronic Locking System: the Communications Module, the Electronic Lock Upgrade Kit, the Electronic Lock Control Module, the Keypad Module and the Proximity Card Reader Module. The Communications Module provides an Ethernet network connection and will support 100 modules total in any combination of up to 64 each Electronic Lock Control, Keypad or Proximity Card Reader Modules and provides control access for up to 256 cabinets (512 doors). The Electronic Lock Upgrade Kit includes a solenoid that releases the door's spring-loaded swing handle when the correct access code is entered on a networked computer, Keypad Module or Proximity Card Reader Module. Connect Electronic Lock Upgrade Kits to the Electronic Lock Control Module. Each door lock (swing handle) can have up to five unique numerical access codes that are four to six digits long. Additionally, each door (swing handle) can be assigned to 24 user groups to customize access for individual users by User ID and password.

The Electronic Locking System is available for the F-Series and N-Series TeraFrame® Cabinet Systems. See reverse for product details or contact CPI Technical Support for configuration assistance.

SPECIFICATIONS AND ORDERING INFORMATION

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Communications Module (required)

The Communications Module provides an Ethernet network connection and will support up to 64 Electronic Lock Control Modules, 64 Keypad Modules or 64 Proximity Card Reader Modules.

- One RJ-45 Ethernet connection to the network
- Two RJ-45 bus-connections for other modules; modules connect with RJ-45 patch cords in a serial bus configuration; includes two RJ-45 bus-terminator plugs used at the beginning and end of the bus-connections
- One 9-pin serial (DB9) RS-232 connection for initial setup and network configuration; includes a 6'L (1.8 m) Null Modem Cable (P/N 60071-006)
- Two alarm outputs that function as NO/NC contact outputs; connect the Communications Module to the RIM-600 NO/NC input sensors to receive remote notification of unlocked and/or unauthorized entry alarms via email or voice call or to prompt a network camera to take and send snapshots of the area
- Status LEDs: module bus-connection status, module status, network connection status and serial connection status
- Includes a rack-mount bracket and installation hardware to attach the Communications Module in the space between the equipment mounting rails and the side panel of the cabinet
- Includes Windows-compatible software that provides setup, monitoring, recording and remote access for the Electronic Locking System; must be installed on at least one computer connected to the same network as the Communications Module
- Includes a User Manual with step-by-step instructions for setup and configuration of the system
- Size: 5.32"W x 1.3"H x 11.8"D (135 mm x 32 mm x 299 mm)
- Finish: white metal housing

Part Number	Description	Shipping Weight
16147-050	Communications Module	5 lb (2.3 kg)

16147-062
Shown

Electronic Lock Upgrade Kit (required)

Upgrade door locks on the F-Series and N-Series TeraFrame Cabinet Systems with electronic locks. Order one Electronic Lock Upgrade Kit for each door (swing handle).

- There are several Electronic Lock Upgrade Kits for the TeraFrame Cabinet; each kit includes a swing handle and mounting hardware that matches the type of door (door style); swing handle has a single-point cam latch and an electronic solenoid with an attached 9'L (2.7 m) cord and connector for the Electronic Lock Control Module; one kit includes an integrated Keypad Module for the front door; match the kit to the type of door (door style)
- Use the 16'L (5 m) Electronic Lock Extension Cable (P/N 16147-015) to extend between the Electronic Lock Control Module and the Electronic Lock Upgrade Kits in multiple cabinet line ups

Part Number	Description	Shipping Weight
16147-060	Electronic Lock Upgrade Kit for TeraFrame Cabinet for a Single Solid Metal or Perforated Metal Front Door (1/Door)	3 lb (1.4 kg)
16147-061	Electronic Lock Upgrade Kit for TeraFrame Cabinet for a Single Solid Lexan® Front Door (1/Door)	3 lb (1.4 kg)
16147-062	Electronic Lock Upgrade Kit with Integrated Keypad Module for TeraFrame Cabinet for a Single Solid Metal or Perforated Mteal Front Door (1/Door)	4 lb (1.8 kg)
16147-063	Electronic Lock Upgrade Kit for TeraFrame Cabinet for a Single or Double, Solid Metal or Perforated Metal Rear Door (1/Door)	2 lb (0.9 kg)
16147-015	Electronic Lock Extension Cable, 16'L (5 m)	1 lb (0.5 kg)

Note: Electronic Lock Upgrade Kit for the TeraFrame Cabinet will connect to existing slam or two-point latches. Contact Technical Support to configure a TeraFrame Cabinet with electronic locks.

16147-030
Shown

Accessories / Service Parts

Part Number	Description	Shipping Weight
60070-007	Network Patch Cord, RJ-45, 7'L (2.1 m)	1 lb (0.5 kg)
60070-014	Network Patch Cord, RJ-45, 14'L (4.3 m)	1 lb (0.5 kg)
60070-025	Network Patch Cord, RJ-45, 25'L (7.6 m)	1 lb (0.5 kg)
60074-001	RJ-45 F/F Coupler Kit (Pack of 4)	1 lb (0.5 kg)
16147-020	Universal Mounting Bracket (included w/16147-050, 16147-052 & 16147-054)	1 lb (0.5 kg)
16147-030	Power Supply and Cord (included w/16147-052 & 16147-054)	1 lb (0.5 kg)
16147-041	Electronic Locking System User Manual (included w/16147-050)	1 lb (0.5 kg)
16147-042	Electronic Locking System Software CD (included w/16147-050)	1 lb (0.5 kg)

SPECIFICATIONS AND ORDERING INFORMATION

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Electronic Lock Control Module (required)

The Electronic Lock Control Module provides system connections for up to eight Electronic Lock Upgrade Kits.

- Eight connections for the Electronic Lock Upgrade Kit (eight doors/four cabinets)
- Two RJ-45 bus-connections for other modules; modules connect with RJ-45 patch cords in a serial bus configuration
- One power connection; includes an auto sensing 100-240 VAC, 50-60 Hz to 12 Vdc, 1.25 A power supply with an IEC 320 C-14 power connector and a detachable 6'L (1.8 m) IEC 320 C-13 to NEMA 5-15P power cord
- Status LEDs: module bus-connection status, module status and power status
- Includes a rack-mount bracket and installation hardware to attach the Electronic Lock Control Module in the space between the equipment mounting rails and the side panel of the cabinet
- Size: 5.32"W x 1.3"H x 11.8"D (135 mm x 32 mm x 299 mm)
- Finish: white metal housing

Part Number	Description	Shipping Weight
16147-052	Electronic Lock Control Module for 8 Swing Handles	5 lb (2.3 kg)

Keypad Module (recommended)

Enter door access codes at or near the cabinets on the Keypad Module. Enter the door swing handle number, and then enter the access code. When used with the Proximity Card Reader Module, enter the door swing handle number and use the proximity card as the access code.

- Two bus-connections for other modules; requires a S1 to RJ-11 connector cable (included)
- Order a special Keypad Module Cable (S1 to S1) for serial bus configurations if the keypad is used between other modules, keypad to keypad, (not included)
- 12-button keypad with numbers 0-9, C for clear and E for enter
- Two LEDs indicate access status (left LED) and connected status (right LED) with Red (No), Yellow (Processing) or Green (Yes) lights
- Includes installation hardware to attach the Keypad Module flush to a cabinet door or side panel; provides access to all doors (swing handles) connected to the same module bus
- Size: 2.52"W x 4.45"H x .47"D (64 mm x 113 mm x 12 mm)
- Finish: black plastic housing, white buttons.

Part Number	Description	Shipping Weight
16147-008	Keypad Module with one S1 to RJ-11 Cable, 9'L (2.7 m)	1 lb (0.5 kg)
16147-016	Keypad Module Cable, S1 to RJ-11, 9'L (2.7 m)	1 lb (0.5 kg)

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Proximity Card Reader Module (optional)

The Proximity Card Reader Module includes an external card reader and two proximity cards. Use the proximity cards as user access keys with the Keypad Module.

- Two RJ-45 bus-connections for other modules; modules daisy-chain together with RJ-45 patch cords
- One antenna connection for an external card reader; includes an external card reader with a 9'L (2.7 m) attached cord and two proximity cards; proximity cards provide access to all handles connected to the same module bus as the Proximity Card Reader Module
- One power connection; includes an auto sensing 100-240 Vac, 50-60 Hz to 12 Vdc, 1.25 A power supply with an IEC 320 C-14 power connector and a detachable 6'L (1.8 m) IEC 320 C-13 to NEMA 5-15P power cord
- Status LEDs: module bus-connection status, module status and power status
- Includes a rack-mount bracket and installation hardware to attach the Proximity Card Reader Module in the space between the equipment mounting rails and the side panel of the cabinet
- Includes installation hardware to attach the external card reader flush to a cabinet door or side panel; locate the external card reader next to the associated Keypad Module
- Proximity Card Reader Module size: 5.32"W x 1.3"H x 11.8"D (135 mm x 32 mm x 299 mm)
- Proximity Card Reader Module Finish: white metal housing
- External Card Reader size: 2.52"W x 4.45"H x .47"D (64 mm x 113 mm x 12 mm)
- External Card Reader Finish: black plastic housing

Part Number	Description	Shipping Weight
16147-054	Proximity Card Reader Module (includes External Card Reader)	5 lb (2.3 kg)
16147-040	Extra Proximity Cards, Pack of 5	1 lb (0.5 kg)

SYSTEM APPLICATION

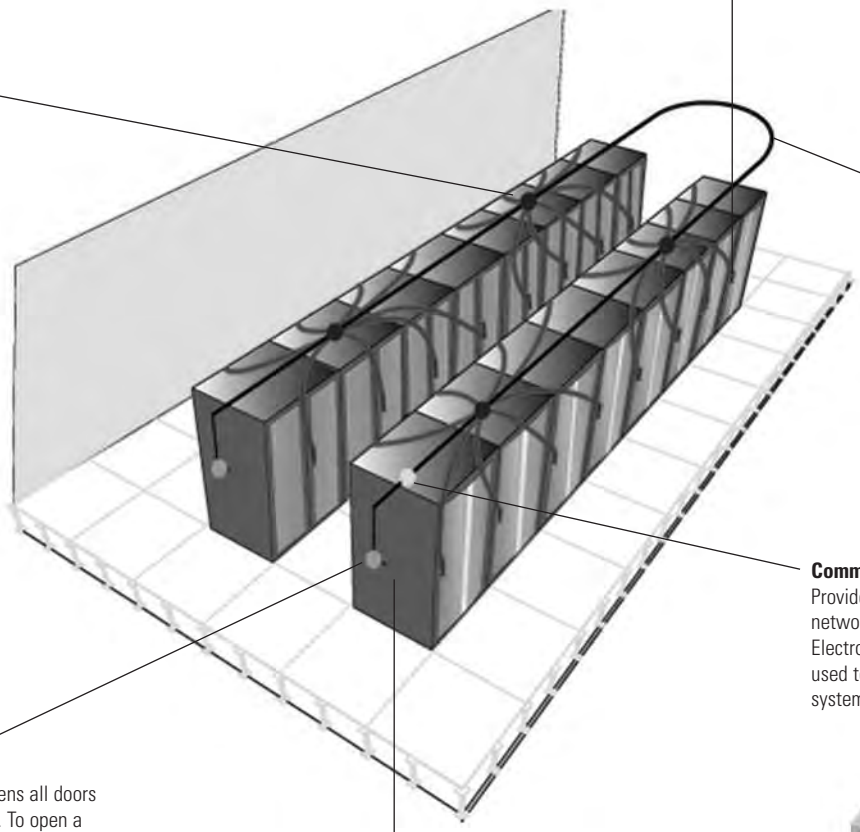
There are five basic components of an Electronic Locking System. The Communications Module, Electronic Lock Upgrade Kit and Electronic Lock Control Module are required to create a functioning system. The Keypad Module is recommended and the Proximity Card Reader Module is optional.

Configure This Online

Contact Technical Support for complex network configurations at (800-834-4969) or use CPI's Product Configurator to create a system by visiting www.chatsworth.com/configurator.

Electronic Lock Upgrade Kit
Replaces the mechanical lock on the cabinet's swing handle with an electronic solenoid that releases the spring-loaded handle. Each lock is attached to an Electronic Lock Control Module.

Electronic Lock Control Module
Connects up to eight Electronic Lock Upgrade Kits to the Communications Module and controls the solenoid that opens the cabinet handles.



Serial Bus

Communications Module
Provides a single IP addressable network connection for the Electronic Locking System and is used to set up and configure the system.

Keypad Module
A single Keypad Module opens all doors connected to the Serial Bus. To open a specific door, first enter the door swing handle number, then enter the access code. Codes are assigned with software that is included with the Communications Module.

Proximity Card Reader Module
Use with the Keypad Module to assign users proximity cards that provide access to specific cabinets. To open a door, first enter the door swing handle number using the Keypad Module, then pass the proximity card over the card reader instead of entering an access code.

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