Networked Electronic Access Control

Networked Electronic Access Control (EAC) Swinghandle Kit provides a networked electronic lock solution for physical security of data center cabinets. Secure Array® IP Consolidation technology connects up to 32 controllers (32 cabinets) under one IP address, providing significant savings in networking costs. Audit trail for regulatory compliance is available through the web interface.

KEY FEATURES

- Integrated sensors for lock and latch status, monitoring and alarm functions

- Reader recognizes existing employee 125kHz or 13.56 MHz RFID cards

- Secure Array IP Consolidation links up to 32 controllers under the same IP address

- Remote unlock capability

- User-configurable unlock time delay

- Slim factor controller can be mounted in 0U spaces

- Bi-color LED (blue/magenta) to indicate lock and handle status

- Integration with LDAP and Radius for added security

- High-security lock with mechanical key override

- Available for CPI GlobalFrame® and TeraFrame® families of cabinets

- Event logging for auditing purposes

ADVANTAGES

Audit Trail for Regulatory Compliance
The web interface keeps a record of every access attempt and integrates the information with DCIM for easy reporting.

Preinstallation in CPI Cabinets
Entire locking system can be shipped preinstalled within CPI Globalframe® and TeraFrame® Cabinets saving significant deployment time and costs.

Deployment Savings through Secure Array
Locks can be networked through Secure Array IP Consolidation, allowing up to 32 locks to be linked under a single IP address.

Remote Access Control
Remotely program, monitor and control cabinet access through a user-friendly web interface. The slim form factor controller that enables remote management can easily be mounted within 0U locations.

Smart Card Authentication
Proximity card reader recognizes existing employee 125 kHz or 13.56 MHz RFID cards including HID, iClass®, MIFARE® and DESFire technologies.

SPECIFICATIONS

Description	Smart card-based electronic access solution kit
Use	For indoor use only, in environmentally controlled areas. May not be used in harsh environments.
Includes	(2) Electronic Swinghandles, (1) front and (1) rear door swinghandle with integrated card reader module • Size: Fits standard 5.9"H x 1"W (150 mm x 25 mm) swinghandle cutout (refer to installation instruction for detailed dimensions information) • Supported Cards: 125 kHz or 13.56 MHz RFID cards with 4, 7 or 8 byte Unique Identifiers (UID) Ordered separately • Material and Finish: Glass-filled nylon, PC/ABS (UL94-V0)

	Controller Module; 1.4"H x 7"W x 4"D (34.9 mm x 177.8 mm x 101.6 mm)
	• Attachment: Magnetic strip
	• Input Power: 100 - 240V, 50/60Hz; IEC C14 connector with detachable C13 to C14 power cord
	• Network/External/Connections:
	  - (1) 10/100/1000 Mbps RJ-45 Ethernet connection (IPv4 and IPv6)
	  - (1) RJ11 Environmental Probe connection
	  - (1) RJ45 Secure Array In linking connection (RS-232); (1) RJ45 Secure Array Out linking connection
	  - (2) USB ports for firmware updates
	  - (2) Proprietary auxiliary ports for connecting Front and Rear Door Electronic Swinghandles
	• Management Interfaces / Protocols Supported:
	  - HTTPS based Onboard Web interface; SNMP v1,v2 and v3; LDAP & Active Directory

	Wire Harness: (1) 6' (1.8 m) Cat 5e cable with electronic lock connectors; (1) 10' (3.0 m) Cat 5e cable with electronic lock connectors
	Door Sensors: (3) surface-mount magnetic sensors and conductor cables • Loop type: closed • Electrical configuration: normally open (N/O) • Reed form: A
Certifications	RoHS, FCC Part 15 Class A, En 55022; UL60950, IEC60950 (Controller only)

Networked EAC Swinghandle Kit is a networked locking solution that addresses evolving security requirements for IT applications and regulatory compliance. The intelligent lock provides physical security and monitoring capabilities through a user-friendly interface.

The Networked EAC provides remote front and rear lock control and keeps a record of each cabinet access attempt. The lock is equipped with a bi-color (blue/magenta) status LED that provides a visible notification of the latch status. Sensors in the lock generate output signals for remote access monitoring, and send notifications when conditions of the latch or door change.

The design of the swinghandle also features an efficient microprocessor-controlled gear motor that ensures minimal power consumption and accommodates both left and right doors.

Preinstallation in CPI Cabinets

Networked EAC can be shipped preinstalled as a complete system within CPI GlobalFrame and TeraFrame Cabinets that have special, purpose-built routing paths for all wiring. Cabinet-level environmental monitoring is also available through integrated temperature/humidity sensors.

Optimize Deployment Costs with Secure Array IP Consolidation

Through Secure Array IP Consolidation technology, which allows up to 32 controllers to be networked under one IP address, you can significantly reduce network deployment and operating costs.

Smart Card Readers and Remote Access

The lock includes proximity card readers that accommodate most access control application needs. The locks open with 125 kHz or 13.56 MHz RFID smart card, including HID, iClass, MIFARE and DESFire technologies. A log of each access attempt associated with a specific user is maintained automatically. A mechanical key override is included for when network connectivity is lost.

Locks can also be remotely accessed through the software interface. Program the locks to remain open for a designated period, and they will automatically close after a user-configured timeout has elapsed. The software monitors the locks for latch condition, handle condition and door condition. If the lock is tampered with, the software logs and sends warnings to the administrative user.

Radius and LDAP authentication are supported. A local account in the software interface will need to be created in order to store the smart card ID, and assign related group cabinet access.

Networked EAC is also compatible with third-party software and can be monitored using some DCIM software such as Power IQ® for eConnect® for optimal data management.

ORDERING INFORMATION

36720-701

Networked EAC Swinghandle Kit
Networked EAC Swinghandle Kit includes:
• Controller Module with built-in web interface
• Front and rear swinghandles
• 3 door sensors (front and rear doors)
• 2 wiring harnesses (for front and rear connection)
• 2 mechanical override keys

17761-001

Environmental Probe with Temperature and Humidity Sensor
Attach up to two probes in the Controller Module using a splitter. When attached, temperature and humidity measurements are reported in through the web interface.

36653-001

RF IDeas EAC Smart Card Reader
Use RF IDeas EAC Smart Card Reader for programming any smart cards into the Controller Module.

36654-001

EAC Smart Cards
• 13.56MHz MIFARE Smart Cards
• Sold in packs of 20

36652-001

EAC Door Sensor Kit
EAC Door Sensor Kit includes:
• 4 door sensors
• 4 conductor cables; 10' (3 m) each

36651-001

EAC Wire Harness Kit
Use EAC Wire Harness Kit as a spare if you need to connect the EAC with PDUs.
• 2 wire harnesses (for front and rear connection)

Part Number	Description	Shipping Weight lb (kg)
36720-701	Networked EAC Swinghandle/Smart Card Kit	7 (3.2)
17761-003	(2) Environmental Probes with (1) Temperature and (1) Humidity Sensor, with splitter, 2"H x 2"W 72"L (50 mm x 50 mm x 1828 mm)	1 (0.5)
17761-001	Environmental Probe with (1) Temperature and (1) Humidity Sensor, 1"H x 1"W x 72"L (25 mm x 25 mm x 1828 mm)	1 (0.5)
17761-002	Environmental Probe Splitter, 2"H x 2"W x 6"L (50 mm x 50 mm x 152 mm)	1 (0.5)
36653-001	RF IDeas EAC Smart Card Reader	1 (0.5)
36654-001	EAC Smart Cards, Pack of 20	1 (0.5)
36652-001	EAC Door Sensor Kit	1 (0.5)
36651-001	EAC Wire Harness Kit	1 (0.5)

USE WITH

• GlobalFrame and TeraFrame Cabinets

• Power IQ for eConnect

Interested in learning more about Electronic Access Control solutions? Call us at 800-834-4969, or email Technical Support at techsupport@chatsworth.com.

EXTENDED WARRANTY

CPI now offers Extended Limited Warranties on CPI-Branded Electronic products, available for two additional years beyond the expiration of the Original Warranty Period (3 years).

Contact CPI Customer Service, or visit www.chatsworth.com/warranty for more information.

CHATSWORTH PRODUCTS