EM-100 Physical Access Controller

Simplified Physical Access with ICPAM

CISCO Compatible

- ■ Easy to install, operate, and manage
- ■ Leverages existing network infrastructure
- ■ Integrates with Cisco safety and security products
- ■ PoE simplicity for system expansion
- ■ Supports existing and ICPAM secure credentials

Powerful Security at the Door

CSOs, CIOs, and facilities managers in modern businesses are sensitive to the importance of controlling access to buildings, data, and other assets that are vital to their business operations. Identiv Connected Physical Access Manager (ICPAM) with the EM-100 Physical Access Controller combines world-class reader/credential technologies and security management software with a network-connected Power over Ethernet (PoE) EM-100 Controller. By leveraging existing infrastructure, ICPAM, and the EM-100 Controller, the cost of ownership and management of a physical access system is reduced.

The EM-100 is a single-door access controller that enables cost-effective installations and high-performance access control functionality. The EM-100 makes local door decisions, can interface with one Wiegand/Clock-and-Data reader, and can have additional Wiegand/Clock-and-Data readers attached when paired with the EM-100 Exit Reader Module. he EM-100 is mountable on single- or double-gang electrical boxes and is roughly the size of a triple-gang electrical box. The EM-100 has an optical tamper, and interface to four discrete inputs, and two outputs (lock and auxiliary).

Features and Benefits

- Supports Power over Ethernet (PoE), enabling cost-effective installation utilizing existing network infrastructure
- Provides access control processing, host functionality, and power for a single door, including one or two readers, lock, door status, request-to-exit device, and auxiliary sounder
- Stores a complete access control and configuration database for one door with one or two readers and 125,000 cardholders
- Connects to the host and other devices on a TCP/IP network
- Utilizes on-board jumpers to select 12 or 24 VDC power to locks and AUX output when powering device over PoE or 24 VDC
- Provides fully functional offline operation when not actively communicating with the host access control software

Ordering Information

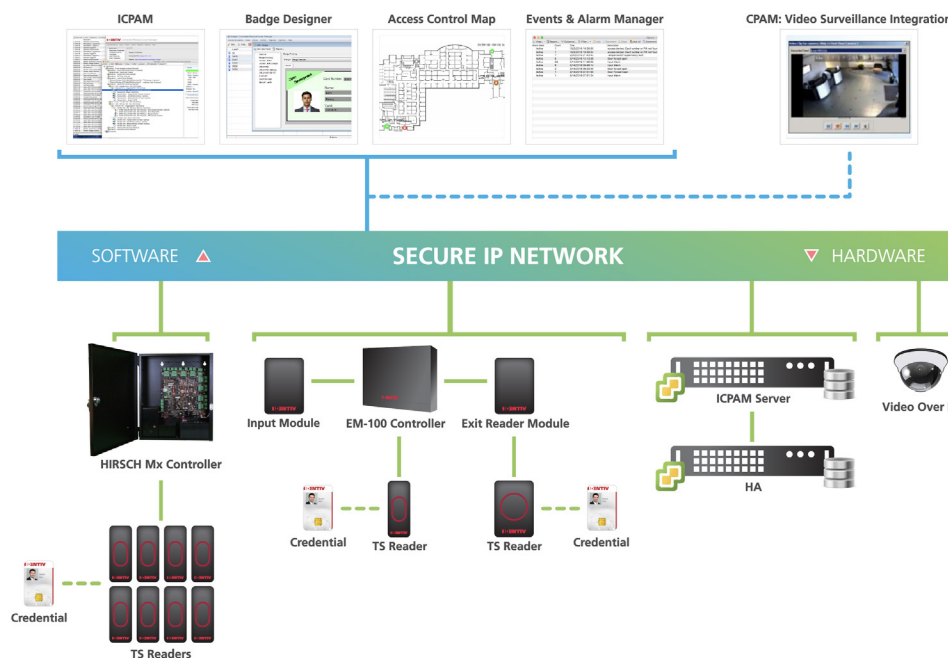| (PID) Part Number	Product	Description
ICPAM-EM100-HW	Identiv EM-100 Controller	Identiv EM-100 PoE Network Controller, includes 12 months limited hardware warranty with hardware support*
ICPAM-EM100-TAAHW	Identiv EM-100 Controller	TAA Compliant Identiv EM-100 PoE Network Controller, includes 12 months limited hardware warranty with hardware support *

* Controller and reader bundle options available. Please refer to the ICPAM Ordering Guide for more information.

Specifications

Product Details	
Mounting Holes	U.S. double gang, U.S. single gang, and EU/APAC 60 mm
Users**	125,000 credentials
Outputs**	Door relay, auxiliary relay
Inputs**	Door contact, request for exit, alarm (including controller tamper)
Dimensions**	6.1 in x 4.8 in x 1.5 in (154.9 mm x 122.5 mm x 37.1 mm)
Weight**	11.3 oz (320 g)
Housing Material**	UL94 polycarbonate
Audio/Visual Indicators**	Two LEDs on RJ-45 port for network; beeper for boot and tamper
Operating Temperature**	32° to 122° F (0° to 50° C)
Operating Humidity**	5% to 95% relative, non-condensing

Cable Specifications	
Ethernet	300 ft (100 m), CAT-5 ALPHA 9504C, ALPHA 9405F
Wiegand/C&D	500 ft (150 m), 9-conductor, stranded, overall shield; 22AWG ALPHA 1299C
Input Circuits	500 ft (150 m), 9-conductor, stranded, overall shield; 22AWG ALPHA 1299C
Output Circuits	500 ft (150 m), 2-conductor, shielded 22AWG ALPHA 1172C ALPHA 1897C

** Specifics refer to controller only. See uTrust TS Reader data sheet for reader information.

Typical System Arrangement

Identiv (NASDQ: INVE) is a global provider of physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything. Identiv has offices worldwide. Addresses and phone numbers are listed at identiv.com/contact. For more information, visit identiv.com or email sales@identiv.com.

Technical data is subject to change without notice.

Revision/Date of Release: 2017-09-20
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