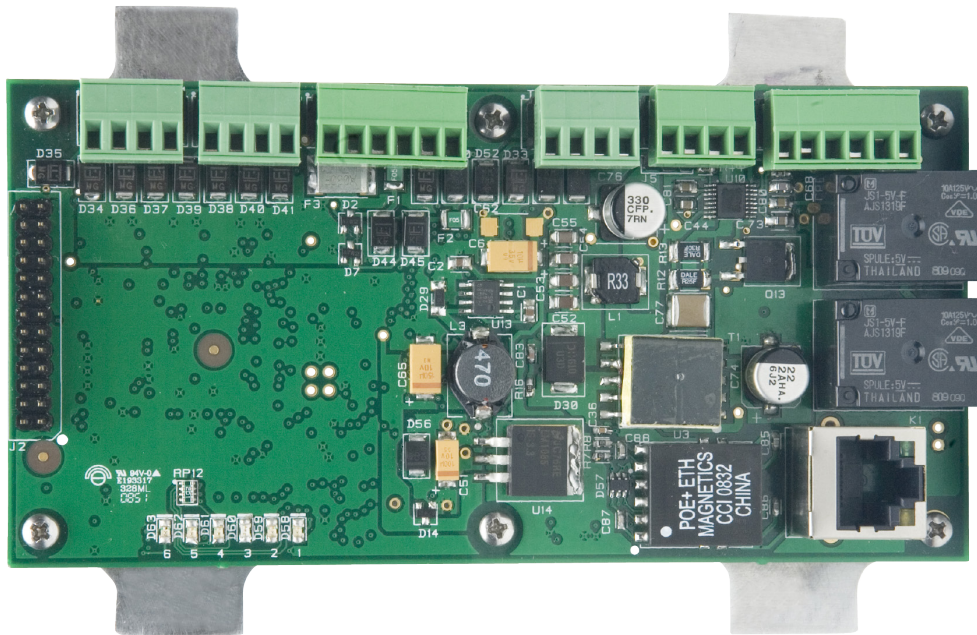


# PoE Enabled Single Door Interface

AVIGILON

Avigilon™ Access Control Manager supports open field hardware from Mercury Security allowing organizations to leverage investments in non-proprietary field hardware, with retrofit programs available for industry standard door hardware and card readers, including contact/contactless smart card, proximity, magnetic stripe and barcode.



The AC-MER-CON-MR51E is a high performance PoE capable network connected device for managing one (1) controlled opening (single or paired readers) with Avigilon's Access Control Manager (ACM). Based on the Mercury Security (MR51e), each AC-MER-CON-MR51E will interface up to two (2) card readers (in/out), four (4) general-purpose input monitor points and two (2) control relays. The AC-MER-CON-MR51E provides access control and security monitoring through the AC-MER-CONT-1DR, AC-MER-CONT-2DR or the AC-MER-CONT-64DR intelligent controllers. The result is the flexibility, versatility and reliability required for demanding access control solutions. Access Control Manager and Mercury Security open field hardware provide the ultimate platform to complete the Avigilon end-to-end security solution.

## KEY FEATURES

- PoE enabled Network ready interface panel
- Suitable for single door or in/out reader applications
- Interfaces with a wide array of reader technologies including Wiegand, clock and data, magnetic stripe and keypads
- Triple gang footprint
- Inputs and the output relays support assignment to door related functions or to general purpose I/O
- Inputs support normally open, normally closed, supervised and non-supervised circuits
- Output relays are configurable for fail-safe or fail secure operation



# Specifications

The interface is for use in low voltage, class 2 circuits only.

TECHNICAL SPECIFICATIONS		
Power Input	PoE Power Input 12.95W, compliant to IEEE 802.3af or 12V DC $\pm 10\%$ 900 mA maximum power supply. <b>Note:</b> For UL installations, POE powered devices shall not be used, power for these devices must be provided by an UL 294 listed power limited source (12V DC).	
Power Output	12V DC at 700mA including reader and AUX output Output: Form-C contacts: K1, K2: 5A @ 28Vdc Inputs: 4 supervised, End of Line resistors, 1k/1k - $\Omega, 1\%$ 1/4W standard	
Reader Interface	Reader Power: 12 V DC $\pm 10\%$ or pass through. (PTC limited 150mA max) LED Output: TTL compatible, high > 3V, low < 0.5V, 5mA source/sink maximum Buzzer Output: Open collector, 5V DC open circuit maximum, 10mA sink maximum reader Data Inputs: TTL compatible inputs or 2-wire RS-485	
Communication	Ethernet, 10Base-T/100Base-TX	
Cable Requirements	Power: 18 AWG, 1 twisted pair RS-485: 24 AWG, 120 $\Omega$ impedance, twisted pair with shield, 1,219 m (4000 ft) maximum Alarm Inputs: 1 twisted pair per input, 30 $\Omega$ maximum Reader data (TTL): 18AWG, 6 conductors, 150 m (500 ft) maximum Reader data (RS-485): 24AWG, 120 $\Omega$ impedance, twisted pair with shield, 1,219 m (4000 ft) maximum	
Dimensions (W x L x H)	140mm x 70mm x 24mm; 5.5" x 2.75" x 0.96" without bracket 140mm x 92mm x 34mm; 5.5" x 3.63" x 1.33" with bracket	
Temperature	Operating: 0° C to 70° C (32° F to 158° F) Storage: -55° C to 85° C (-67° F to 185° F)	
Humidity	10 - 95% Relative humidity (non-condensing)	
Standards	UL294 Recognized, CE Compliant, RoHS, FCC Part 15 Class A, NIST Certified Encryption	

## ORDERING INFORMATION

AC-MER-CON-MR51E	Access Platform MR51e Single Reader Interface Module with PoE Support (Mercury MR51e)
------------------	---

