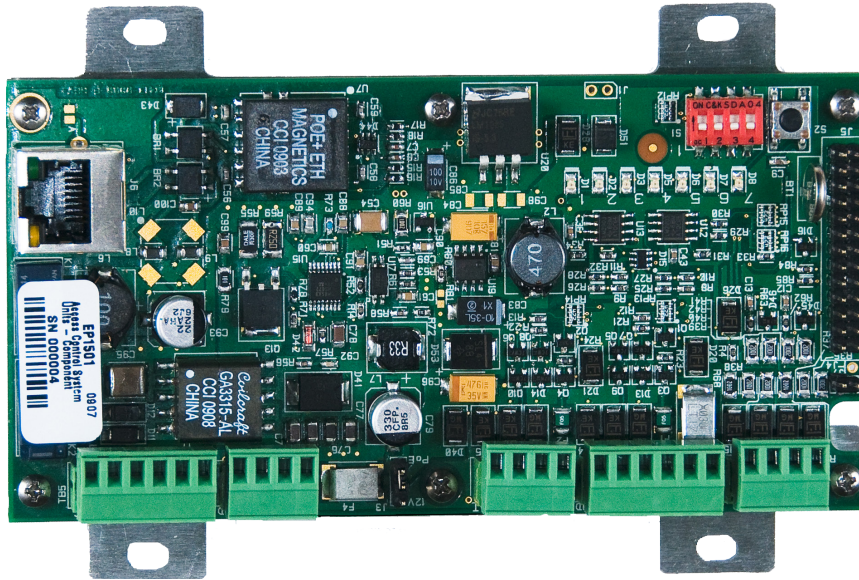


Intelligent Single Door Controller

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-CONT-1DR is a powerful, intelligent controller solution for managing one or two on-board readers (expandable to seventeen (17) readers) with Avigilon's Access Control Manager (ACM). Based on the Mercury Security (EP1501), the AC-MER-CONT-1DR communicates with ACM via its on-board PoE capable Ethernet port. The AC-MER-CONT-1DR includes two (2) inputs, two (2) outputs and two (2) reader ports and easily expands I/O and readers by simply adding input, output and reader interface modules. Easy installation with Power over Ethernet (PoE) makes this a top choice for a single controlled opening controller with ACM. 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 capable intelligent network controller
Single-door interface that can expand to 17 reader doors
Suitable for in/out reader applications
Network ready
Decentralizes system intelligence
Triple gang footprint
Provides full local processing
Interfaces with a wide array of reader technologies including Wiegand, clock and data, magnetic stripe and keypads
Support for up to eight (8) device addresses through the on board RS-485 communication port
Support for the AC-MER-CON-MR50, AC-MER-CON-MR52, AC-MER-CON-MR16IN and the AC-MER-CON-MR16OUT
Support for the AC-MER-CON-MR51E over Ethernet



Specifications

TECHNICAL SPECIFICATIONS

Power Input	PoE Power Input 12.95W, compliant to IEEE 802.3af or 12V DC $\pm 10\%$ 900 mA maximum power supply. Note: 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 @ 650mA including reader and AUX output
Reader Interface	Powered by PoE (12 V DC $\pm 10\%$) or local power supply (12V DC). (PTC limited 150mA max)
Inputs	2 general purpose programmable circuit type, and dedicated tamper
Outputs	2 relays Form C, 2A @ 30V DC
Reader Ports	Two TTL reader ports or one 2-wire RS-485 reader port capable of supporting two readers.
Keypad	Multiplexed with card data
LED	TTL compatible,
Buzzer	Only with 'one-wire' LED
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 77° C (32° F to 170° F) Storage: -55° C to 85° C (-67° F to 185° F)
Humidity	10 - 95% Relative humidity (non-condensing)

TECHNICAL FEATURES

Connectivity	Primary Port: 10/100 Ethernet
Door Control	One physical barrier can be controlled using single or paired readers. Two reader ports — Mag, Wiegand, or RS-485 (RS-485 on one reader port capable of supporting two readers). Two supervised inputs, two relays. Diagnostic LEDs. Dedicated tamper input.
Access Control	<ul style="list-style-type: none"> 145,000 cardholder capacity, 50,000 transaction buffer. 16 Access Levels per controller. 8 digit PIN number maximum Activation/Deactivation Dates. If/Then Macro capability
Card Formats	8 active card formats per appliance — CAC, TWIC card compatible. Anti-passback support — Nested area, hard, soft, or timed forgiveness.
Alarm Management	Normally open/Normally closed, unsupervised, supervised. Standard or custom end-of-line resistances.
Standards	UL294 Recognized, CE Compliant, RoHS, FCC Part 15 Class A, NIST Certified Encryption

ORDERING INFORMATION

AC-MER-CONT-1DR	Access Platform EP1501 Single Door Controller with PoE Support (Mercury EP1501)
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