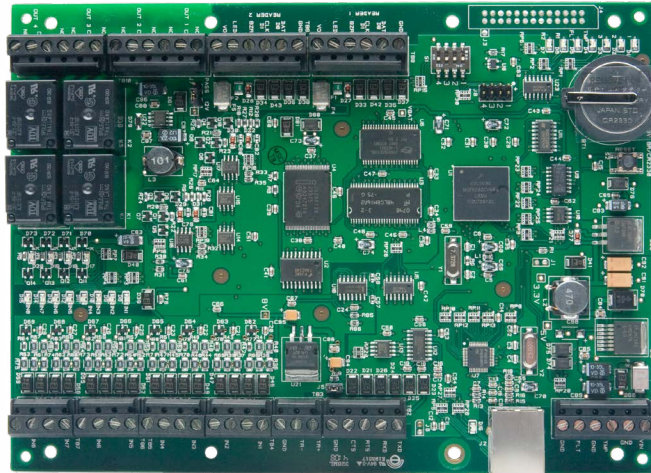


Intelligent Two Door Controller

The Avigilon™ Access Control Manager (ACM)™ system 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-2DR is a powerful, intelligent controller solution for managing one or two on-board readers (expandable to 64 readers) with the Access Control Manager (ACM) system from Avigilon.

Based on the Mercury Security EP1502, the AC-MER-CONT-2DR communicates with ACM via its on-board Ethernet port. The AC-MER-CONT-2DR includes eight inputs, four outputs and two reader ports and easily expands I/O and readers by simply adding input, output and reader interface modules. Offering powerful flexibility the AC-MER-CONT-2DR is capable of interfacing with a wide array of reader technologies for one or two controlled openings.

The Access Control Manager system and Mercury Security open field hardware provide the ultimate platform to complete the Avigilon end-to-end security solution.

KEY FEATURES

RS-485 intelligent controller that supports a variety of independent functions
Two-door interface with auxiliary I/O that expands to 64 doors
Suitable for in/out reader applications
Decentralizes system intelligence
Network ready
Provides full local processing
Interfaces with a wide array of reader technologies including Wiegand, clock and data, magnetic stripe and keypads
Onboard support for one or two controlled openings
Support for up to 31 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
Supports for the AC-MER-CON-MR51E over Ethernet



Specifications

TECHNICAL SPECIFICATIONS

Primary Power	12-24 V DC +/- 10%, 500mA maximum
Serial Ports	Primary 10/100 Ethernet Port 2: RS-485, 2-wire
Inputs	Eight general purpose: programmable circuit type Two dedicated: tamper and power monitor
Outputs	Four relays: Form C, 5A 30V DC
Reader Interface	Reader Power: 12 V DC $\pm 10\%$ regulated, current limited to 150 mA for each reader.(jumper selectable) or 12 to 24 V DC $\pm 10\%$ (input voltage passed through) current limited to 150 mA for each reader. Data Inputs: TTL compatible inputs, mag stripe and Wiegand standards supported. Maximum cable length: 152 m (500 ft.). RS-485 Mode: 9,600 to 38,400 bps, asynchronous, half-duplex, 1 start bit, 8 data bits, and 1 stop bit. Maximum cable length: 609.6 m (2000 ft.). LED Output: TTL levels, high>3 V, Low<0.5 V, 5 mA source/sink maximum. Buzzer Output: TTL levels, high>3 V, Low<0.5 V, Low=Active, 5 mA source/sink maximum.
Cable Requirements	Power: 1 twisted pair, 18 AWG. Ethernet: CAT-5, minimum. RS-485: (I/O Device Port): 24 AWG, 1,219 m (4,000 ft.) maximum, twisted pair(s) with an overall shield. (Reader Port): 24 AWG, 609.6 m (2,000 ft.) maximum, twisted pair(s) with an overall shield. RS-232: 24 AWG, 25 ft (7.6 m) maximum. Alarm Input: 1 twisted pair, 30 ohms maximum, typically 22 AWG @ 304.8 m (1000 ft.).
Dimensions (W x L x H)	152mm x 203mm x 25mm; 6.0" x 8.0" x 1.0"
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)
Standards	UL294 Recognized, CE Compliant, RoHS, FCC Part 15 Class A, NIST Certified Encryption

TECHNICAL FEATURES

Connectivity	Primary Port: 10/100 Ethernet
Door Control	Two reader ports: Mag or Wiegand Eight supervised inputs, four relays. Diagnostic LEDs
Access Control	145,000 cardholder capacity; 50,000 transaction buffer 16 Access Levels per controller - Eight digit PIN number maximum - Activation/Deactivation Dates - If/Then Macro capability
Card Formats	Eight active card formats per appliance — CAC, TWIC card compatible Anti-passback support — Nested area, hard, soft, or timed
Alarm Management	Normally open/normally closed, unsupervised, supervised. Standard or custom end-of-line resistances.

ORDERING INFORMATION

AC-MER-CONT-2DR	Access Platform EP1502 Door Controller (Mercury EP1502)
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