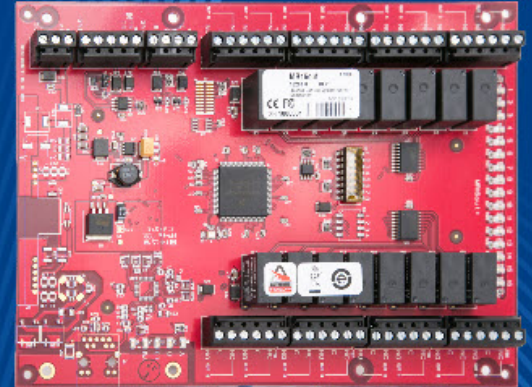


Series 3 Serial I/O 16-Output Interface Panel

Expandable access control for the
modern workplace



The Avigilon™ Alta Access 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 multi-device interface panels, power and communication controller boards, and intelligent controllers.

The AC-MER-CON-MR16OUT Series 3 from Avigilon is an enhanced, high performance, reliable interface panel that offers the ability to control high concentrations of outputs with the Alta Access system. It offers an improved processor and more memory with an embedded crypto memory chip for encryption, enabling organizations to stay ahead of internal and external threats to achieve data security.

Each AC-MER-CON-MR16OUT is capable of supporting 16 general-purpose outputs as Form C relay contacts. Each output is configurable for fail-safe or fail-secure operation, supporting On, Off, and Pulse commands through the AC-MER-CONT-LP1501, AC-MER-CONT-LP1502, AC-MER-CONT-LP2500, AC-MER-CONT-MP1501, AC-MER-CONT-MP1502, and AC-MER-CONT-MP2500 intelligent controllers. The result is the flexibility, versatility, and reliability required for demanding access control solutions.

The Alta Access system and Mercury Series 3 open-field hardware provides the ultimate platform to complete the Avigilon physical access control security solution.

Key features

- Compact footprint and RS-485 connectivity
- 12 or 24 VDC input power support
- Supports being clustered or distributed to best suit the installation environment.
- Output relays support assignment to door-related functions or for general-purpose use.
- Initiates commands by operator, by time schedules, or by events.
- Output relays are configurable for fail-safe or fail-secure operation.
- Capable of controlling outboard devices, by the condition of selected system devices locally without Alta Access intervention.

Open architecture

High performance, reliable platform enables use of hardware with the Alta Access system.

Easy expansion

Adds functionality and flexibility to existing access control systems.

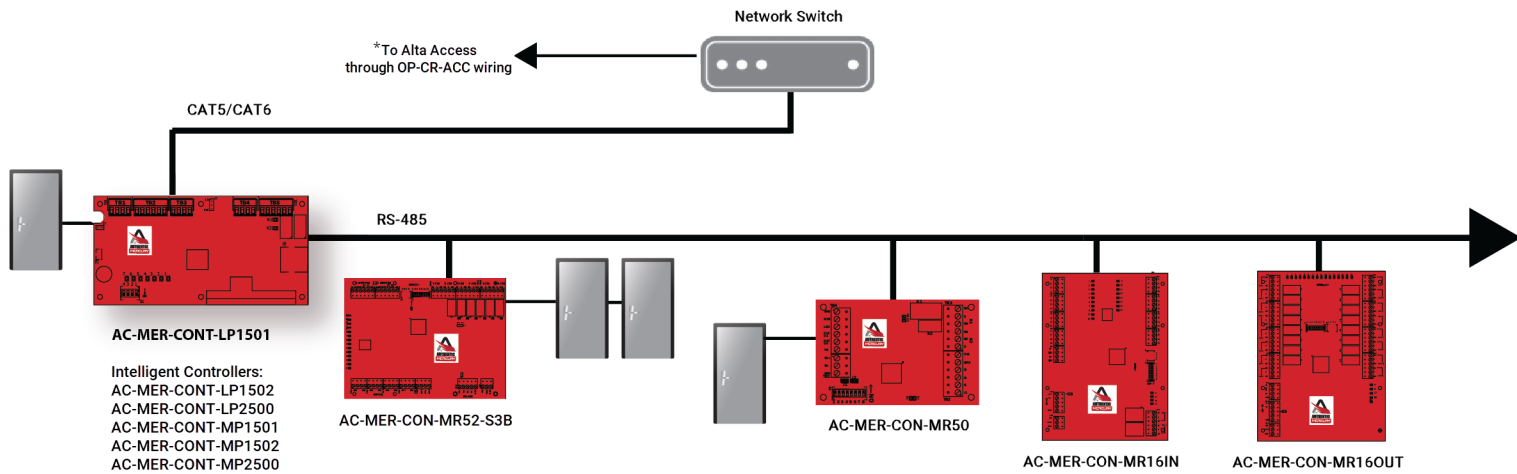
Enhanced security

Embedded crypto memory chip provides a secure layer of encryption to protect sensitive data.

Versatile interoperability

Same reliable interface and identical footprint as the Series 2 Mercury I/O modules enabling seamless upgrades for existing deployments.

Specifications



*Mercury controllers are added as expansion boards in Alta Access and must be connected to the OP-CR-ACC controller.

TECHNICAL SPECIFICATIONS	
Primary Power	12-24 Vdc +/- 10%, 1100mA maximum
Host Communication	RS-485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)
Inputs	2 Dedicated: Tamper and Power Monitor
Output Relays	16 Form-C Relays: Normally open contact (NO): 5A @ 30 Vdc resistive Normally closed contact (NC): 3A @ 30 Vdc resistive
Dimensions	6.0' W x 8.0' L x 1.0' H (152mm W x 203mm L x 25mm H)
Temperature	0-70 °C operational, -55-85 °C storage
Humidity	5 to 95% RHNC
Standards	UL 294 recognized, CE compliant, RoHS FCC Part 15 Subpart B



Application notes

The Mercury AC-MER-CON-MR16OUT is an essential component that supports Mercury’s flexible, building-block approach to access control system design. The AC-MER-CON-MR16OUT offers unmatched power to broaden the range of devices and building controls (such as lighting or HVAC) that can be included in system design.

Relay operation can be initiated by direct operator commands, by time schedules, or by event-based procedures. The relays support On, Off, and Pulse commands. A pulse can range from 0.1 second to over 9 hours.

WARRANTY	
Third-Party Warranty	For more information, visit avigilon.com/support/warranty/third-party



Ordering information

PART NUMBER	DESCRIPTION
AC-MER-CON-MR16OUT	16 Relay Output Module (Mercury part number: MR16OUT-S3)

Support

For product support, visit: [avigilon.com](https://www.avigilon.com) or sales@avigilon.com

To learn more, visit:
[avigilon.com/access-control/cloud](https://www.avigilon.com/access-control/cloud)



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