64 Reader Intelligent Controller Panel

The Avigilon Access Control Manager (ACM) system supports open field hardware from Mercury Security allowing organizations to leverage investments in non-proprietary field hardware. Retrofit programs are available for industry standard multi-device interface panels, power and communication controller boards, and intelligent controllers.

The AC-MER-MS-ICS (Mercury MS-ICS) offers a direct retrofit of the Software House® Controller General Controller Module as part of the Avigilon Access Control Manager™ system.

The AC-MER-MS-ICS is a multi-device interface controller panel that replicates the Pro General hardware form factor for fast changeover and easy migration of the Software House client infrastructure to Avigilon Access Control Manager.

Built on the Authentic Mercury platform, the AC-MER-MS-ICS interface controller panel provides the ability to manage up to 64 readers and can support up to two AC-MER-MS-ACS interface boards.

**KEY FEATURES**

- 64 reader capacity
- Supports 600,000 cardholders
- Multiple card format support
- Universal I/O device characterization
- AES 128/256 Bit Encryption and TLS
- Large encoded card number support
- Multi-brand wireless lock support

**BENEFITS**

- Built-in capacity to control and respond to external device commands
- Initiates commands by operator, by time schedules, or by events
- Built on the open Authentic Mercury platform
- Retrofits controllers from Software House
Specifications

**SPECIFICATIONS**

- **The AC-MER-MS-ICS is for use in low voltage, Class 2 circuits only.**
- **Primary Power:** 12Vdc ± 10%, 275 mA maximum
- **Communication Ports:** Primary: 10/100 Ethernet
  - Alternate: Ethernet Adapter (optional)
  - Downstream: One internal serial bus to AC-MER-MS-ACS and One external 2-wire RS-485
- **Communications:** 9600, 18200, 35400, or 57200 bps, synchronous
- **Inputs:** Three dedicated: cabinet tamper, power monitor, and low battery
- **Cable Requirements:** Ethernet: CAT 5 minimum
  - To MS-ACS: 34-conductor ribbon cable
  - RS-485: 1 twisted pair with drain wire and shield, 120 ohm impedance, 24 AWG, 4000 ft. (1,219 m) maximum
- **Dimensions:**
  - W 5.8 in. (148 mm)
  - L 8.6 in. (218 mm)
  - H 1 in. (25 mm)
- **Weight:** 5.7 oz. (162 g) nominal, w/o terminal locks and Ethernet adapter
- **Environmental:**
  - -55 to +85 °C, storage
  - 0 to +50 °C, operating
- **Humidity:** 5 to 95% RHNC
- **Standards:** UL294 Recognized, CE Compliant, RoHS, FCC Part 15 Class A, NIST Certified Encryption

Ordering Information

**AC-MER-MS-ICS**

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**Note:** Boards do not include any connectors.

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