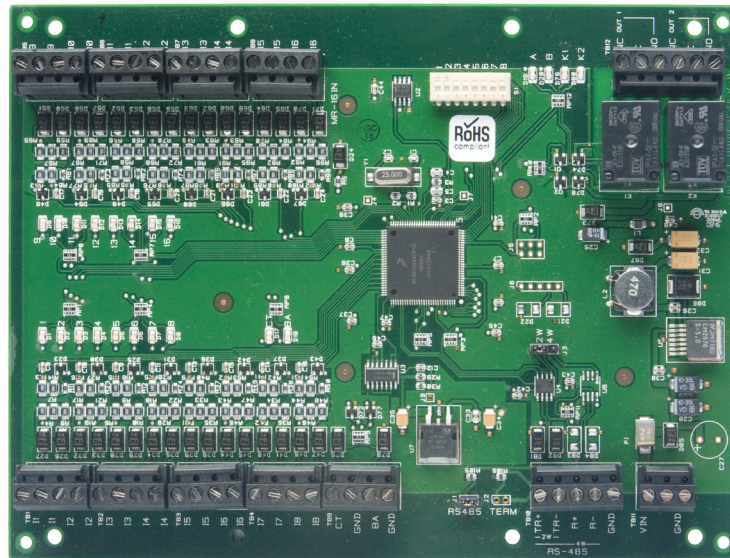# Input Control Module

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-MR16IN is a high performance interface panel for monitoring high concentrations of inputs with Avigilon's Access Control Manager (ACM). Based on the Mercury Security (MR16in), each AC-MER-CON-MR16IN supports sixteen (16) general-purpose dry-contact inputs, configurable to be individually set for normally open, normally closed, supervised and non-supervised circuits. The AC-MER-CON-MR16IN 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

Compact footprint and RS-485 connectivity
12 or 24V DC input power support
Supports being clustered or distributed to best suit the installation environment
Two (2) programmable Form C relay outputs are configurable for fail-safe or fail secure operation, supporting "On", "Off", and "Pulse"
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
Capable of controlling outboard devices, by the condition of selected system devices locally without ACM intervention

AC-MER

Specifications

TECHNICAL SPECIFICATIONS	Primary Power	12-24 V DC +/- 10%, 350mA maximum 12V DC @ 300mA nominal 24V DC @ 220mA nominal
	Communication	RS—485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)
	Inputs	16 General purpose: Programmable circuit type 2 Dedicated: Tamper and Power Monitor
	Outputs	2 Relays, Form-C, 5 Amp 28V DC
	Dimensions (W x L x H)	152mm x 203mm x 25mm; 6" x 8" x 1"
	Temperature	Operating: 0° C to 75° C (32° F to 167° F) Storage: -55° C to 85° C (-67° F to 185° F)
	Humidity	0 - 95% Relative humidity (non-condensing)
	Standards	UL 294 Recognized, CE Compliant, RoHS

ORDERING INFORMATION	AC-MER-CON-MR16IN	Access Platform MR16in Multi-Device Interface Panel (Mercury MR16in)

Network

Avigilon™
Access Control Manager

Network Switch

AC-MER-CONT-64DR

RS-485

AC-MER-CON-MR50
AC-MER-CON-MR52
AC-MER-CON-MR16IN
AC-MER-CON-MR16OUT

Reader   Reader   Reader

AC-MER-CONT-2DR

RS-485

AC-MER-CON-MR50
AC-MER-CON-MR52
AC-MER-CON-MR16IN
AC-MER-CON-MR16OUT

Reader   Reader   Reader

AC-MER-CONT-1DR

RS-485

AC-MER-CON-MR50
AC-MER-CON-MR52
AC-MER-CON-MR16IN
AC-MER-CON-MR16OUT

Reader   Reader   Reader

AC-MER-CON-MR51E

Reader

AC-MER