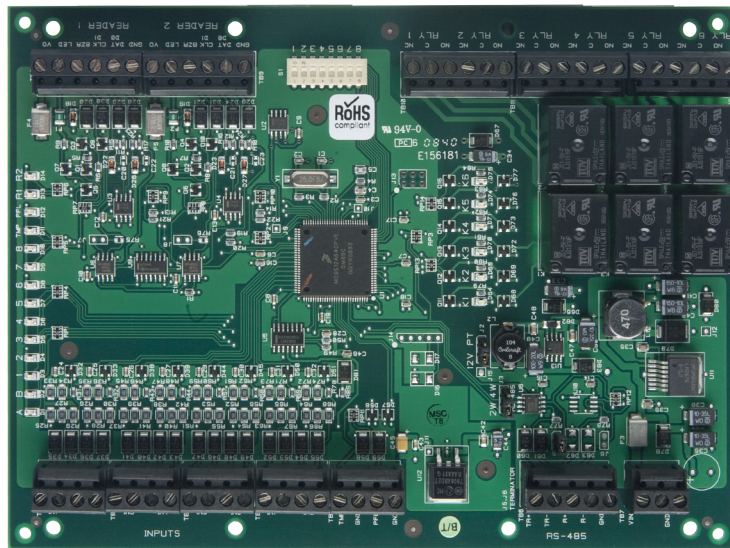# Two Reader Interface Module

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-MR52 is a low cost, high performance device that provides all the I/O needed for managing two (2) controlled openings with auxiliary point control and monitoring with Avigilon's Access Control Manager (ACM). Based on the Mercury Security (MR52), each AC-MER-CON-MR52 will interface two (2) card readers, eight (8) general-purpose input monitor points and six (6) control relays to provide 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

Affordable solution for applications requiring 2 reader doors

Onboard I/O's provide auxiliary point control and monitoring

12 or 24V DC input power support

Offline reader access mode support

12V DC reader support with 24V DC power source

Interfaces with a wide array of reader technologies including Wiegand, clock and data, magnetic stripe and keypads

Supports being clustered or distributed to best suit the installation environment

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

AUTHENTIC MERCURY™

Platinum Elite
MERCURY™

Specifications

Primary Power	12-24 V DC +/- 10%, 550mA maximum 12V DC @ 450mA nominal 24V DC @ 270mA nominal
Communication	RS–485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)
Reader Ports	2 Reader Ports Power: 12 V DC regulated, 125mA each reader Data Card/Keypad Clock/Data, Data–1/Data–0
Keypad	Multiplexed with card data
LED	One-wire bi-color LED support, or two-wire
Buzzer	Only with 'one-wire' LED
Inputs	8 General purpose: Programmable circuit type 2 Dedicated: Tamper and Power Monitor
Outputs	6 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 70° C (32° F to 170° 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-MR52	Access Platform MR52 Two Reader Interface Module (Mercury MR52)

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