

### Series 3

# MR62e

READER INTERFACE MODULE w/PoE+  
(2 READERS, 6 INPUTS, 4 OUTPUTS)

The new Authentic Mercury MR Series 3 Serial Input/Output modules enable system expansion of Authentic Mercury intelligent controllers as part of Mercury's distributed architecture. The enhanced modules offer an improved processor and increased memory, plus feature an embedded crypto memory chip that provides a secured layer of encryption to onboard sensitive data. Built on the Authentic Mercury open platform, Series 3 modules provide the necessary flexibility for OEMs, channel partners and end customers to choose the controller configuration that best fits their needs.

The MR62e Series 3 is an IP-enabled interface module with on-board flexibility to connect a wide range of security devices. The MR62e is easy to install and provides the required I/O for interfacing four card readers using OSDP protocol, six general-purpose input monitor points and four control relays to any Authentic Mercury series intelligent controller.

The MR62e's provides increased power output using PoE+ and provides one reader port supporting OSDP Secure Channel readers, including non-keypad, keypad and biometric readers. System configuration and setup are provided through Mercury OEM partner software applications

The MR62e Series 3 is the latest generation door interface module for Authentic Mercury intelligent controllers, the platform of choice for customers seeking open architecture access control solutions.

### Open Architecture

High performance, reliable platform enables use of hardware with Mercury OEM partners software solutions

### OSDP Protocol:

Supports OSDP and Secure Channel protocol for device connectivity, file transfer and extended applications such as biometrics and federal government profile support

### Enhanced Security

Embedded crypto memory chip provides secured layer of encryption to protect sensitive data

### Versatile Interoperability

Same reliable interface and identical footprint as the Series 2 Mercury IO modules, enabling seamless upgrades for existing deployments

## HIGHLIGHTS:

### IP-TO-THE-DOOR

- Edge-capable input/output module supporting PoE+ power
- Provides up to 1.5 A of power at door for reader, lock and more

### SECURITY AND NETWORK

- IPv4/6
- Intelligent controller to 62e communications protected by TLS 1.2/1.1 or AES-256/128
- Generate and load custom peer certificates for TLS
- FIPS 140-2 user of OpenSSL
- Port based network access control using 802.1X
- Zerconf Device Discovery (mDNS)

### CARD READER FUNCTIONS

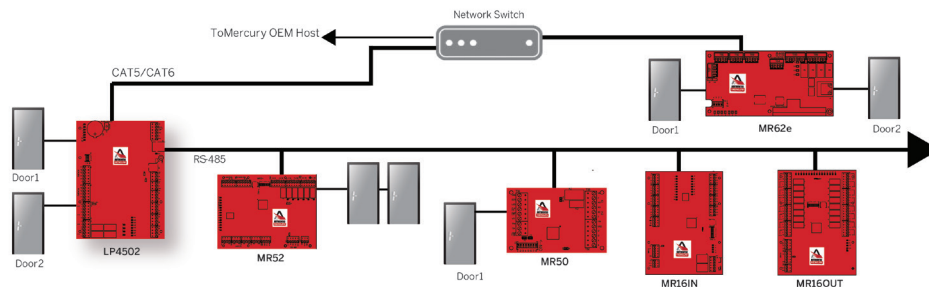
- OSDP Readers Only
- Supports multiple card formats, paired and alternate readers, elevator, turnstile and biometric devices
- Anti-passback support (area, reader and time based)
- Programmable keypad user commands

## LP SERIES 1501 SPECIFICATIONS

<b>Door Control</b>	Natively supports for up to 4 OSDP. Does not support Wiegand readers MR62e, when linked to an Authentic Mercury Intelligent Controller, controls up to 2 openings
<b>Card Formats</b>	Eight active card formats per intelligent controller Entire card number reported on invalid read 19 digit (64-bit) User ID and 15 digit PIN numbers maximum PIV, CAC, TWIC card compatible
General	
<b>Power Input</b>	PoE (12.95 W), compliant to IEEE 802.3af or PoE+ (25 W), compliant to IEEE 802.3at or 12 Vdc $\pm$ 10 %, 1.7 A maximum
<b>Power Output</b>	PoE: Locks and Reader, combined: 12 Vdc @ .66 A MAX PoE+ or 12 Vdc: Lock 12 Vdc @ 1 A MAX, Readers 12 Vdc @ .5 A MAX
<b>Output</b>	Four relays, Form-C contacts rated at 2 A @ 30 Vdc
<b>Inputs</b>	SRAM Backup Battery, rechargeable
<b>Host Comm.</b>	Ethernet: 10-BaseT/100Base-TX
<b>Inputs</b>	Six unsupervised/supervised, End of Line resistors, 1k/1k ohm, 1%, ¼ watt standard
Reader Interface	
<b>Power</b>	12 Vdc @ .5 A MAX
<b>Communication</b>	2-Wire RS-485, OSDP protocol, four devices maximum

Cable Requirements	
<b>Ethernet</b>	CAT-5, minimum
<b>External Input Power</b>	1 twisted pair, 18 AWG (if required)
<b>Alarm Inputs</b>	1 twisted pair per input, 30 ohm maximum
<b>Relay Outputs</b>	As required for the load
<b>Reader Data RS-485/ Power</b>	2 twisted pair with shield, 24 AWG, 120 ohm impedance, 4000 foot (1220 m) MAX or RS-485: 1 twisted pair with shield, 24 AWG, 120 ohm impedance, 4000 foot (1220 m) MAX Power: 1 pair 18 AWG1
<sup>1</sup> Type of cable(s) and gauge determined by length and voltage/ current requirements. Local power source may be required	
Environmental	
<b>Temperature</b>	-55 to +85 °C, storage, 0 to +70 °C operating
<b>Humidity</b>	5 to 95% RHNC
Mechanical	
<b>Dimensions</b>	5.5 in. (140 mm) W x 2.75 in. (70 mm) L x 0.96 in. (24 mm) H without bracket 5.5 in. (140 mm) W x 3.63 in. (92 mm) L x 1.33 in. (34 mm) H with bracket
<b>Weight</b>	4 oz. (112 g) without bracket 5 oz. (142 g) with bracket
Compliance and Warranty	
<b>Product Compliance</b>	UL294 Recognized1, FCC Part 15 Class A, CE Compliant, RoHS, NIST Certified Encryption

<sup>2</sup> For UL, the Power Sourcing Equipment (PSE) such as a PoE or PoE+ enabled network switch and/or PoE or PoE+ power injectors must be UL Listed under UL294B.



The Authentic Mercury open platform delivers quality assurance derived from the most proven and reliable hardware in the industry. Driven by engineering excellence and technology leadership, Authentic Mercury hardware is designed as an access control platform that easily encompasses emerging technologies, changing industry standards and evolving system environments.

