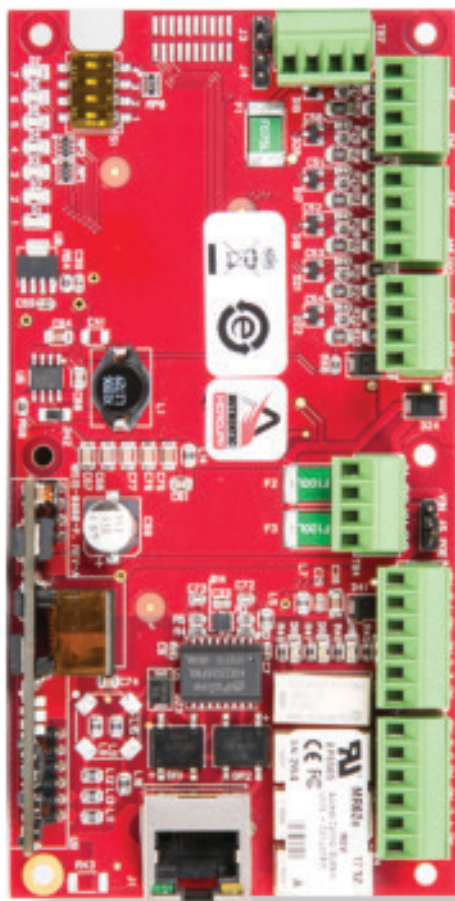# MR62e™ Series 3 Reader Interface Module w/PoE+

DATA SHEET

2 Readers, 6 Inputs, 4 Outputs

- Open Architecture: High performance, reliable platform enables use of hardware with Mercury OEM partners software solutions

- IP-to-the-Door: Supports PoE+ power, removing the cost of traditional power supplies and homerun wiring

- OSDP Protocol: Supports OSDP and Secure Channel communications

- 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

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.

www.kerisys.com

302 Enzo Drive • San Jose, California 95138 • email: sales@kerisys.com
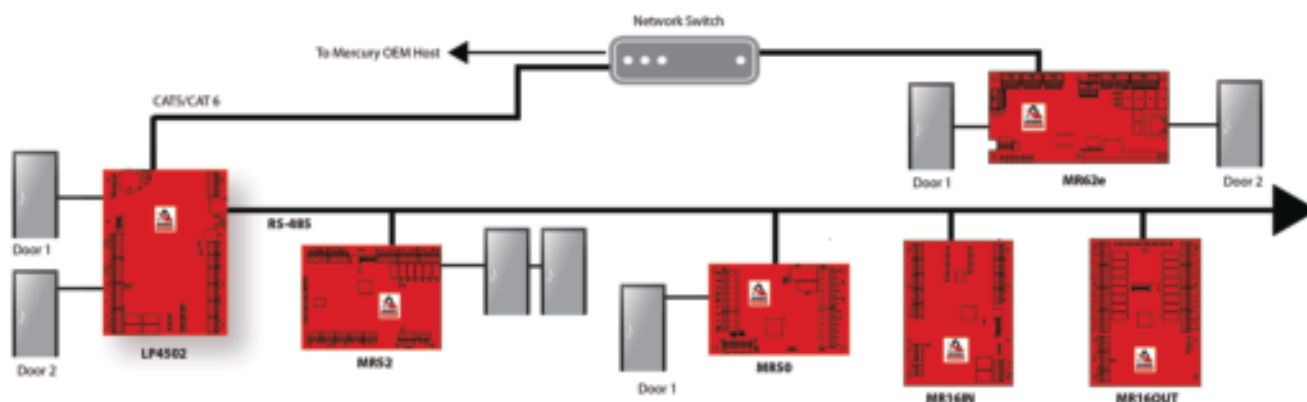Phone: 408-435-8400 • Toll Free: 800-260-5265 • Fax: 408-577-1792

Specifications

Door Control	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
Card Formats	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

Power Input	PoE (12.95 W), compliant to IEEE 802.3af or PoE+ (25 W), compliant to IEEE 802.3at or 12 Vdc ± 10 %, 1.7 A maximum
Power Output	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
Output	Four relays, Form-C contacts rated at 2 A @ 30 Vdc
Inputs	Six unsupervised/supervised, End of Line resistors, 1k/1k ohm, 1%, ¼ watt standard

Reader Interface

Power	12 Vdc @ .5 A MAX
Communication	2-Wire RS-485, OSDP protocol, four devices maximum

Specifications

Cable Requirements

Ethernet	CAT-5, minimum
External Input Power	1 twisted pair, 18 AWG (if required)
Alarm Inputs	1 twisted pair per input, 30 ohm maximum
Relay Outputs	As required for the load
Reader Data RS-485/ Power	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 AWG[1]

[1] Type of cable(s) and gauge determined by length and voltage/ current requirements. Local power source may be required

Environmental

Temperature	-55 to 85 °C storage, 0 to 70 °C operating
Humidity	5 to 95% RHNC

Mechanical

Dimensions	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
Weight	4 oz. (112 g) without bracket 5 oz. (142 g) with bracket

Compliance and Warranty

Product Compliance	UL294 Recognized[2], FCC Part 15 Class A, CE Compliant, RoHS, NIST Certified Encryption

[2] 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.