

MR-62e

MR-62e Subpanel

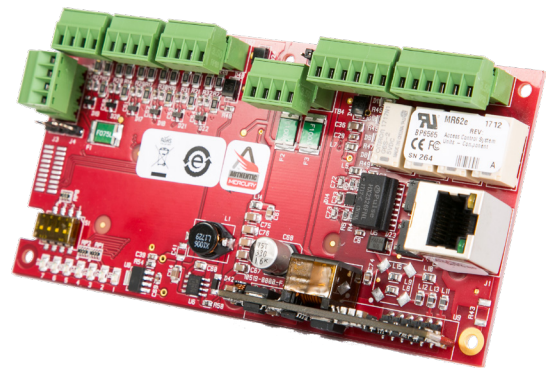
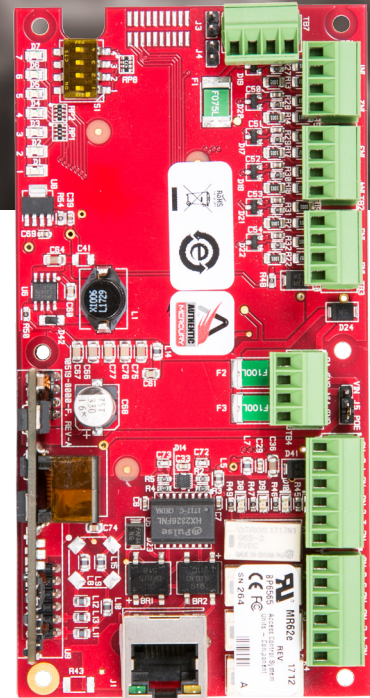
The MR-62e SIO is a new addition to the Series 3 line of subpanels from Mercury Security. The MR-62e is an IP-based device that can control up to 2 doors and 4 readers when configured in an IN/OUT configuration using OSDP multidrop. The MR-62e delivers an edge-capable device that can be powered 12 Vdc, PoE, or PoE+ and can deliver up to 1.5 A of power at the door for strikes, readers, and other auxiliary devices. The MR-62e only supports OSDP readers and can use OSDP Secure Channel for reader communications. The MR-62e also includes 2 auxiliary inputs and 2 auxiliary outputs for added system flexibility.

The IP-based MR-62e provides a versatile option for facilities. The power enhancements have provided additional flexibility for installation. Using PoE+, the MR-62e is an IP-to-the-Door solution and can simplify planning and installation by removing the need for traditional power supplies and home run wiring.

The MR-62e places an emphasis on security and supports encryption on all data whether the data is in motion or at rest. Onboard, the MR-62e contains a cryptographic chip that securely stores sensitive data on the panel. The MR-62e also supports full encryption capabilities between the panel and System Controller Processor (SCP) using TLS 1.1/1.2 or AES-128/256 encryption. In addition, the MR-62e has full support for the IEEE 802.1x Standard for Port-based Network Access Control providing even higher levels of authentication capabilities. Reader communication can be secured using OSDP Secure Channel that uses high-end AES-128 encryption to secure communication between the reader and MR-62e. These added security features ensure that data remains secure at all times and provides a fully secure solution with end-to-end encryption capabilities.

The MR-62e includes these features:

- Controls up to 2 doors with all needed I/O
- IP-based communication
- Port based network access control using 802.1X
- Supports PoE+ and delivers up to 1.5 A of power output with 1 A auxiliary power and .5 A for reader output
- Only supports OSDP readers
- 2-reader IN/OUT door configuration on a single reader port using OSDP communication
- Reader communication support for OSDP 2 with Secure Channel
- 2 auxiliary inputs and 2 auxiliary outputs
- Programmable supervised input End-Of-Line resistance
- SCP communication secured using TLS 1.1/1.2 and AES-128/256 bit data encryption
- Simple dip switch device addressing addressable between addresses 0-31
- Embedded cryptographic memory chip ensures all local data remains secured while at rest
- HSPD-12/FIPS201 Compliant
- UL294 Recognized, CE Compliant, RoHS



The MR-62e is a unique, IP-based SIO that features PoE+ power options and can output up to 1.5 A of power at the door for reader, lock, and auxiliary devices



Technologies

RS2 Technologies has constructed an integrated family of access management software and hardware that can be configured to provide a cost-effective solution for very small to very large systems. The LP series of hardware relies on open architecture to maximize freedom for users, control costs, and allow for interoperability via integration to provide the most complete solution from a platform trusted worldwide.

MR-62e

Technical Specifications	
Access Configurations	
MR-62e Configuration	Supports 2 Doors, 4 Readers Uses 1 SIO Address Valid Between 0-31
Power	
Primary Power	12 to 24 Vdc +/- 10% 1.7 A maximum PoE (12.95 W), IEEE 802.3af Compliant PoE+ (25 W) IEEE 802.3at Compliant
Auxiliary Power Output	12 Vdc Lock Power 12 Vdc @ 1 A MAX Reader Power 12 Vdc @ .5 A MAX
	PoE Lock and Reader Power 12 Vdc @ .66 A MAX
	PoE+ Lock Power 12 Vdc @ 1 A MAX Reader Power 12 Vdc @ .5 A MAX
Reader Power	Pass-through or 12 Vdc regulated 300 mA maximum per reader
Communication	
SIO Communication	100-BaseT/100Base-TX Ethernet AES-128/256 or TLS 1.1/1.2 Encryption Addressable between addresses 0-31
Cabling	
Power & Relays	1 Twisted Pair - 18 to 16 AWG
OSDP RS-485	1 Twisted Pair, Shielded, 120 Ohm Impedance, 24 AWG, 2,000 Foot Maximum
Ethernet	CAT-5 Minimum

Technical Specifications	
Panel Specifications	
Inputs	2 Unsupervised/Supervised Door Contact 2 Unsupervised/Supervised Request to Exit 1 Unsupervised Cabinet Tamper 1 Unsupervised Power Monitor 2 Unsupervised/Supervised Auxiliary Programmable Supervised End-of-Line Resistance Values
Outputs	2 Door Strike Form-C Contact NC 3 A @ 30 Vdc, resistive NO 5 A @ 30 Vdc, resistive 2 Auxiliary Form-C Contact NC 3 A @ 30 Vdc, resistive NO 5 A @ 30 Vdc, resistive
Readers	2 Reader Ports 4 Readers Maximum using OSDP IN/OUT mode OSDP Readers Only Supports OSDP Secure Channel
Physical Specifications	
Dimensions	5.5 in. (140 mm) W x 2.75 in. (70 mm) L x .96 in. (24 mm)
Humidity	5 to 95% RHNC
Temperature	-55 to +85 °C Storage 0 to +70 °C Operating
Weight	4 oz (112 g) with No Bracket 5 oz (142 g) with Bracket

