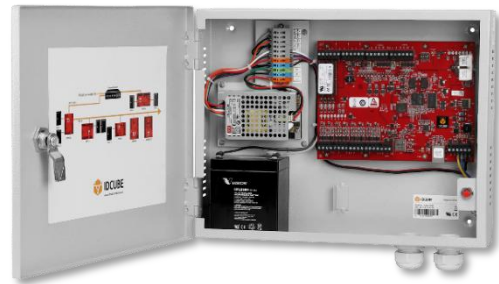
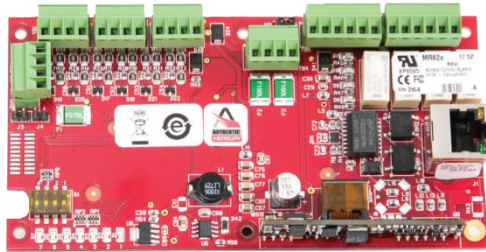


## Access Reader Interface Panel (MMR) ICMMR-62E



Reference image only\*

The IDCUBE's new MMR Series Serial Input/output (SIO) panels enable system expansion of MLP series intelligent controllers as part of its 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.

The ICMMR-62E panel comprises of an Authentic Mercury MR Series Intelligent reader interface MR-62E along with optional accessories, i.e., UL certified power supply, charging circuit, battery and a tamper switch. The panel is seamlessly integrated with IDCUBE's Access360 and INEST applications.

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 ICMMR-62E provides increased power output using PoE+ and provides one reader port supporting OSDP Secure Channel readers, including non-keypad, keypad and biometric readers.

### KEY FEATURES

Edge-capable input/output module supporting PoE+ power

Supports OSDP Readers Only

Provides up to 1.5 A of power at door for reader, lock and more

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)

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

\*The panel image illustrates component assembly and may not represent the actual controller board

## TECHNICAL SPECIFICATIONS

Characteristic	Parameter
Number of Doors Controlled	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
Power Input	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
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
Outputs	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
Power	12 Vdc @ .5 A MAX
Communication	2-Wire RS-485, OSDP protocol, four devices maximum
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
Operating Temperature	-55 to 85 °C storage, 0 to 70 °C operating
Operating Humidity	5 to 95% RHNC
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
Product Compliance	UL294 Recognized*, FCC Part 15 Class A, CE Compliant, RoHS, NIST Certified Encryption
Part Code	ICMMR-62E-EXXXXXX <sup>1</sup> (Mercury Controller Part number: MR62E)

<sup>1</sup> EXXXXXX refers to enclosure type along with accessories such as power supply, charging circuit, battery, and tamper switch; Please refer enclosure datasheet for details  
\* 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.

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