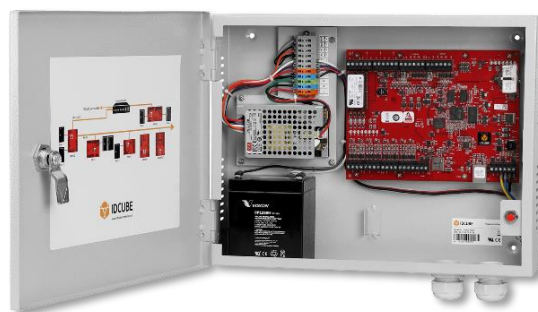




## Access Reader Interface Panel (MMR) ICMMR-52



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-52 panel comprises of an Authentic Mercury MR Series Intelligent reader interface MR-52 along with optional accessories, i.e., UL certified power supply, charging circuit, battery and a tamper switch.

The ICMMR-52 supports two doors and four card readers, eight general-purpose input monitor points and six control relays for access control and security monitoring through IDCUBE's MLP series Access Control Panels. With two-wire RS-485 connectivity, the panel's reader port supports OSDP, OSDP Secure Channel, FICAM government profiles, keypads, biometric readers, Wiegand, clock and data, magnetic stripe, F/2F and supervised F/2F reader technologies. The system configuration and setup are provided through IDCUBE's Access360 and INEST applications.

### KEY FEATURES

2 door - 4 reader interface panel (OSDP) or 2 door - 2 reader interface panel (Wiegand); 8 general-purpose input monitor points and 6 control relays

AES 128/256-bit data encryption for optimal data protection

HSPD-12/FIPS201 compliant UL 294 recognized, CE compliant, FCC, RoHS

Degradation mode to locally process access request based on facility code verification, even when disconnected from an intelligent controller; up to 8 facility codes may be active in each ICMMR-52

Supports OSDP, OSDP Secure Channel, FICAM government profiles, keypads, biometric readers, Wiegand, clock and data, magnetic stripe, F/2F and supervised F/2F reader technologies

RS-485 host connectivity

I/Os support assignment to door related functions or to general purpose I/O. The inputs support normally open, normally closed, supervised & non-supervised circuits. Output relays are configurable for fail-safe or fail secure operation

12 or 24 V DC input power support

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



## TECHNICAL SPECIFICATIONS

Characteristic	Parameter
Primary Power	12-24 Vdc +/- 10%, 550mA maximum
Host Communication	RS-485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)
Reader Ports	2 Reader Ports*
Card/Keypad Data	OSDP, Clock/Data, Data-1/Data-0, RS-485, or F/2F
Keypad	8-bit Mercury, 8-bit Dorado/HID, 4-bit HID
Reader Power	Pass-through or 12 Vdc regulated 300mA each reader
LED	One-wire bi-color LED or two-wire LED
Buzzer	Only with 'one-wire' LED
Inputs	8 General Purpose: Programmable circuit type 2 Dedicated: Tamper and Power Monitor
Output Relays	Six Form-C Relays: Normally open contact (NO): 5A @ 30 Vdc resistive Normally closed contact (NC): 3A @ 30 Vdc resistive
Dimensions	6.0" W x 8.0" L x 1.0" H (152mm W x 203mm L x 25mm H)
Temperature	0-70 °C operational, -55-85 °C storage
Humidity	5 to 95% RHNC
Standards	UL 294 recognized, CE compliant, RoHS, FCC Part 15 Subpart B
Part Code	ICMMR-52-EXXXXXX <sup>1</sup> (Mercury Controller Part number: MR52)

<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

\*Note: Up to two entry/exit door applications(4 readers total) can be supported when connected to OSDP readers.

For more information:  
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