



Benefits

- Network ready
- Decentralized system intelligence
- Provides all current Authentic Mercury firmware functionality
- Initiate commands by operator, by time schedules, or by events
- Built on the Open Authentic Mercury platform

Features

- Dual Ethernet capability
- Multiple card format support
- Universal I/O device characterization
- AES 128/256 Bit Encryption and TLS
- Large encoded card number support

M5-IC is an intelligent control device for the replacement of the Casi PX, PXN and PXNplus CPU controller. As with the entire Mercury M5 Bridge family of controllers, the M5-IC is built with a matching form factor to the Casi Micro5 line of access control hardware allowing a fast “screwdriverless” change over and easy migration of a Casi client infrastructure to any Authentic Mercury software partner.

Built to manage up to 64 readers, this panel is capable of supporting the family of M5 Bridge products in a retro fit of any Casi hardware system. Additionally, the Ethernet enabled M5-IC has the capability to monitor up to 3 additional Micro5 enclosures on a RS485 data bus.

The M5-IC possesses all the firmware functions available in the Authentic Mercury controller platform and ensures every end user complete compatibility to all forthcoming system functionality Mercury Security has to offer.

Application Notes

The M5-IC is an integral component in the Mercury M5 Bridge family approach to migrate any Micro5 hardware legacy to the flexible, feature rich Mercury access hardware. This ensures the customer an Open future based on Authentic Mercury controllers.

Primary Power:

12 VDC)+/- 10%, (300mA) maximum.

Communication Ports:

Host Port 0: 10/100- TX Ethernet
Peripheral interface Port 2: 2-wire RS-485, asynchronous
Peripheral interface Port 3: 2-wire RS-485, asynchronous
Inputs: Two dedicated: tamper and power monitor

Connectivity:

Primary Port: 10/100 Ethernet
IP Server, IP Client, DHCP Client
HTTP, TLS, X.509

Mechanical:

Dimension:
W 4.56in (115.8 mm)
L 10.25in (260.4mm)
H 0.8in (20.3 mm)

Weight (w/o connectors):
5.3oz. (150 g) nominal

Environment:

Temperature:
Storage -55 °C to +85 °C
Operating 0 °C to +70 °C
Humidity: RHNC 5 to 95 %

Access Control:

600,000 Cardholder capacity
50,000 Transaction buffer
If/Then Macro capability

Card Formats:

Eight active card formats per intelligent controller

19 digit (64-bit) User ID and 15 digit PIN numbers maximum

PIV-II, CAC, TWIC card compatible

128 Access Levels per cardholder

Activation/Deactivation Dates
Configurable Cardholder database

Large Encoded Card ID
(freeform fields up to 245 bits)
Supports up to nineteen (19) digital card numbers

Supports pin codes up to fifteen (15) digits

Programmable card activation and deactivation times and dates

