

# HID® Mercury™ M5-IC Controller



## 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

## BENEFITS

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

- **Open Architecture** - High performance, reliable platform enables use of hardware with OEM partners software solutions
- **Easy Expansion** - Adds functionality and flexibility to existing access control systems
- **Enhanced Security** - Embedded crypto memory chip provides secured layer of encryption to protect sensitive data
- **Versatile Interoperability** - Same reliable interface and identical footprint as Series 2 HID Mercury IO modules, enabling seamless upgrades for existing deployments

The HID Mercury M5-IC Controller is an intelligent control device for the replacement of the Casi PX, PXN and PXNplus CPU controller. As with the entire HID 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” changeover and easy migration of a Casi client infrastructure to any HID 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

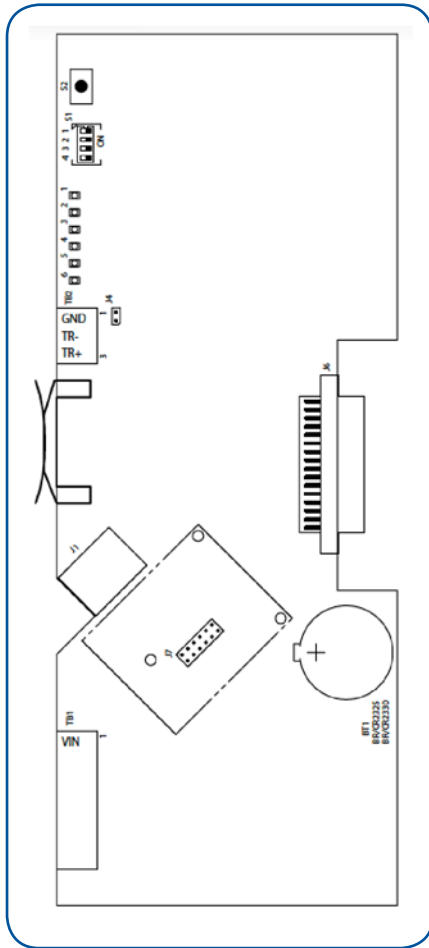
capability to monitor up to 3 additional Mirco5 enclosures on a RS485 data bus.

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

## Application Notes

The M5-IC is an integral component in the HID Mercury M5 Bridge family approach to migrate any Micro5 hardware legacy to the flexible, feature-rich HID Mercury access hardware.

## SPECIFICATIONS



### HID Mercury M5-IC Controller

<b>Primary Power</b>	12 VDC +/- 10%, (300mA) maximum.
<b>Communication Ports</b>	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
<b>Connectivity</b>	Primary Port: 10/100 Ethernet IP Server, IP Client, DHCP Client HTTP, TLS, X.509
<b>MECHANICAL</b>	
<b>Dimensions</b>	4.56in (115.8 mm) W x 10.25in (260.4mm) L x 0.8in (20.3 mm) H
<b>Weight (w/o connectors)</b>	5.3oz. (150 g) nominal
<b>ENVIRONMENT</b>	
<b>Temperature</b>	Storage: -55° C to +85° C Operating: 0° C to +70° C
<b>Humidity</b>	RHNC 5 to 95 %
<b>Access Control</b>	<ul style="list-style-type: none"> <li>• 600,000 Cardholder capacity</li> <li>• 50,000 Transaction buffer</li> <li>• If/Then Macro capability</li> </ul>
<b>Card Format</b>	<ul style="list-style-type: none"> <li>• Eight active card formats per intelligent controller</li> <li>• 19 digit (64-bit) User ID and 15 digit PIN numbers maximum</li> <li>• PIV-II, CAC, TWIC card compatible</li> <li>• 128 Access Levels per cardholder</li> <li>• Activation/Deactivation Dates</li> <li>• Configurable Cardholder database</li> <li>• Large Encoded Card ID (freeform fields up to 245 bits)</li> <li>• Supports up to nineteen (19) digital card numbers</li> <li>• Supports pin codes up to fifteen (15) digits</li> <li>• Programmable card activation and deactivation times and dates</li> </ul>
<b>Product Compliance</b>	UL294 Recognized, FCC Part 15 Class A, CE Compliant, RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65



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