

# HID<sup>®</sup> Mercury<sup>™</sup> MS-ACS Bridge

## HIGHLIGHTS

- 8 reader capacity supporting multiple open reader technologies
- Universal I/O device characterization
- AES 128 bit data encryption
- Retrofits Pro Series ACM modules from Software House<sup>®</sup>
- Built on the HID Mercury platform
- The MS-ACS interface panel is supported by the MS-ICS and offers the complete library of HID Mercury functionality, just as the R8S and I8S products

## BRIDGE INTERFACE PANEL TO LEGACY PRO SERIES ACM

- **Open Architecture** – High performance, reliable platform enables use of hardware with OEM partners’ software solutions
- **Simple Migration** – Provides a streamlined path for organizations to “upgrade”, while reducing overall costs by eliminating the need to rewire legacy peripheral devices
- **Direct Retrofit** – Same identical footprint as Software House’s<sup>®</sup> Pro Series ACM module enabling seamless upgrades for existing deployments
- **Open and Flexible** – Built on the HID Mercury hardware open platform, which is designed to support emerging technologies, changing industry standards and evolving system environments

As part of our mission to design and build a completely open access control hardware platform with a highly articulated API, the MS-ACS Bridge offers a direct retrofit of Software House’s<sup>®</sup> Pro Series ACM module.

The MS-ACS Bridge is a multi-device interface panel that replicates the Pro Series ACM access control hardware form factor for fast “screwdriverless” changeover and easy migration of Software House<sup>®</sup> client infrastructure to any HID Mercury software partner solutions.

Built on the HID Mercury platform, the MS-ACS interface panel provides the ability to control access for eight openings and interfaces with an array of reader technologies: Weigand or clock and data protocol-based readers capable of being individually configured.

Additionally, the MS-ACS has the native capability to monitor the door position, manage the door locking hardware and request-to-exit devices.

With the industry’s largest installed base and greatest accumulated runtime of any access hardware provider, HID Mercury Controllers have consistently provided partners and customers with the most reliable and scalable platform for decades.

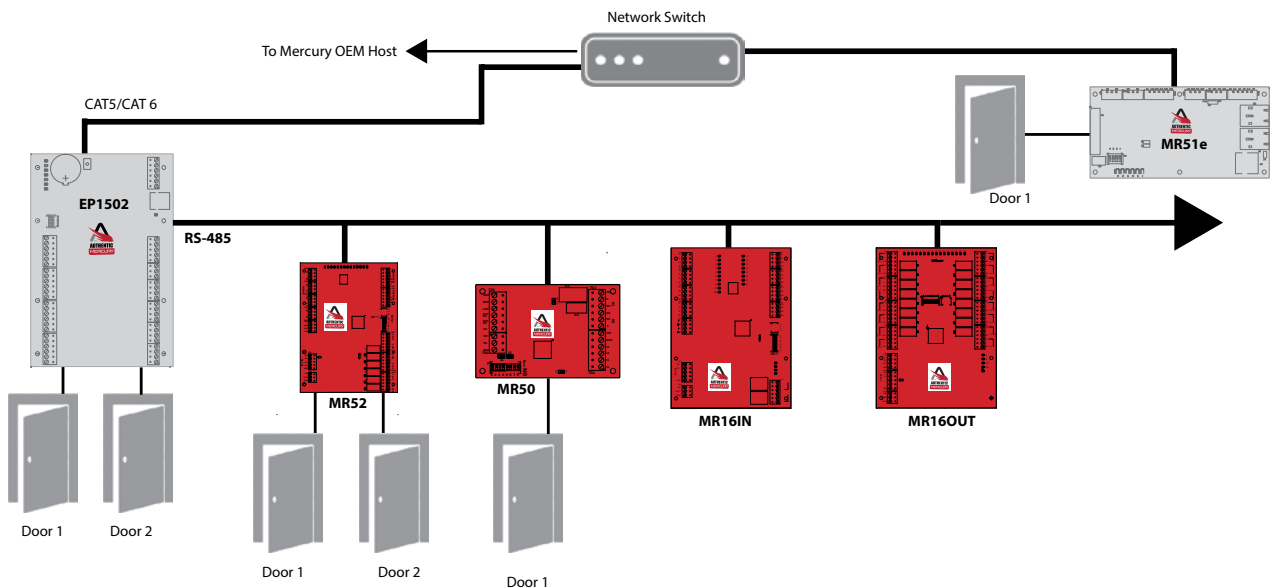
### Application notes

The MS-ACS is an integral component in the MS Bridge family approach to migrate Pro Series hardware to flexible, feature-rich HID Mercury access hardware. When paired with a MS-ICS, customers can begin reaping the benefits of the industry leading, HID Mercury access control platform.

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## SPECIFICATIONS

<b>Primary Power</b>	12 Vdc, $\pm 10\%$ , 3.0 A maximum
<b>Host Communication</b>	9600, 19200, 38400, or 115200 bps, asynchronous
<b>Inputs</b>	16 unsupervised/supervised, standard EOL: 500/1K/1K ohm, 1%, ¼ watt
<b>Outputs</b>	8 outputs, Form-C, 2.5 A @ 30 Vac/dc,
<b>Dimensions</b>	4.65 in (118 mm) W x 12.25 in (311 mm) L x .65 in (16.5 mm) H
<b>Reader Interface Power</b>	5 to 12 Vdc regulated, 350 mA maximum each reader port
<b>Reader Data Inputs</b>	TTL compatible inputs
<b>Reader Data</b>	Use shielded cables
<b>Cable Requirements</b>	1 twisted pair per input, 22 AWG shielded. RS-485: 24AWG, 120 ohm impedance, twisted pair with shield, 4,000 ft. (1,200 m) maximum
<b>Alarm Inputs</b>	30 ohms maximum loop resistance
<b>Alarm Outputs</b>	As required for the load
<b>12 Vdc</b>	20 AWG, 500 feet maximum, reader powered by MS-ICS board 18 AWG, 3000 feet maximum, reader powered locally
<b>Temperature</b>	-20 TO +70 °F storage, 0 to +50 °C operational
<b>Humidity</b>	5 to 95% RHNC
<b>Product Compliances</b>	UL294 Recognized, FCC Part 15 Class A, CE Compliant, RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65



[hidglobal.com](http://hidglobal.com)

North America: +1 512 776 9000  
Toll Free: 1 800 237 7769  
Europe, Middle East, Africa: +44 1440 714 850  
Asia Pacific: +852 3160 9800  
Latin America: +52 55 5081 1650

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