

Reader Interface Module eMAX-MR52

Features

- *Multi-facility code support*
- *Multi-reader technology support*
- *AES 128 bit data encryption*
- *Configurable auxiliary point control and monitoring*
- *HSPD-12/FIPS201 Compliant*
- *UL 294 Recognized*
- *Universal I/O device characterization*

Benefits

- *Affordable flexibility to add 2 doors*
- *Supports external OEM network connectivity*
- *Reliably support a wide variety of sensors and control technologies*
- *Easy to install*

The **MAXXESS eMAX-MR52** is a dual card reader interface panel with outboard flexibility to connect a Maxxess intelligent system controller to a system network. A low cost, high-performance device that is easy to install, the eMAX-MR52 provides all the I/O needed for controlling two doors with auxiliary point control and monitoring. Each unit will interface 2 card readers, 8 general purpose input monitor points and 6 control relays to a MAXXESS eMAX-EP series intelligent controller.

With two-wire RS-485 connectivity, the eMAX-MR52 two reader ports support magnetic stripe, Wiegand and RS-485 readers. Keypads and integrated keypad readers are also supported. Hardware interface and card format settings are loaded through software commands.

The inputs and the relays may be assigned to door-related functions or to general purpose I/O. The inputs support normally open, normally closed, supervised, and non-supervised circuits. The end-of-line (EOL) resistance values are configurable. The relays can be configured for fail safe or fail secure operation.

Application Notes

The eMAX-MR52 is a versatile and reliable component for two doors. When connected to a MAXXESS eMAX-EP intelligent system controller, the eMAX-MR52 passes access requests and status change information to the controller, processing data and activities from selected system devices to other devices in the network. It generates actions and activities as they transpire independent of the host computer.

Even when not connected to an intelligent controller, the eMAX-MR52 is capable of locally processing access requests based on facility code verification. Several facility codes may be active in each MR52.

**Proven Platforms
for the Future**
Reliable. Proven. Innovative
Access Control.

Reader Interface Module eMAX-MR52

Technical Specifications

Primary Power:

12-24 Vdc +/- 10%, 550mA maximum
 12Vdc @ 300mA nominal
 24Vdc @ 220mA nominal

Communication:

RS-485, 2-wire, 4,000'
 (twisted pair with shield, Belden 9841)

Reader Ports: 2 Reader ports

Power:

12 Vdc regulated, 125mA each reader
 Data Card/Keypad
 Clock/Data, Data-1/
 Data-0, or RS-485

Keypad:

8-bit Mercury, 8-bit Dorado, 4-bit HID

LED:

One-wire bi-color LED support, or two-wire

Buzzer:

Only with 'one-wire' LED

Inputs:

8 General purpose: programmable circuit type
 2 Dedicated: Tamper and Power Monitor

Outputs:

6 Relays : Form-C, 5 Amp 28 VDC

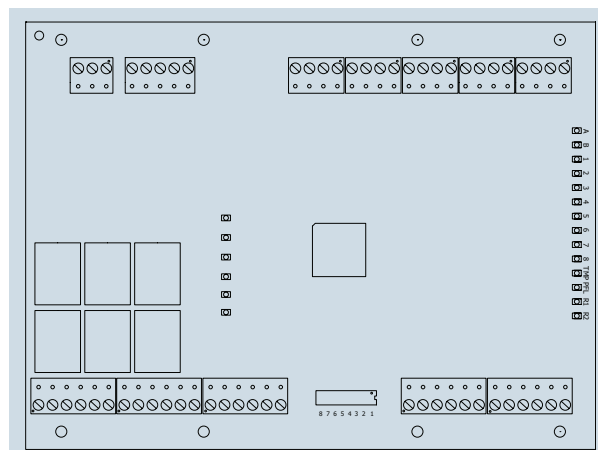
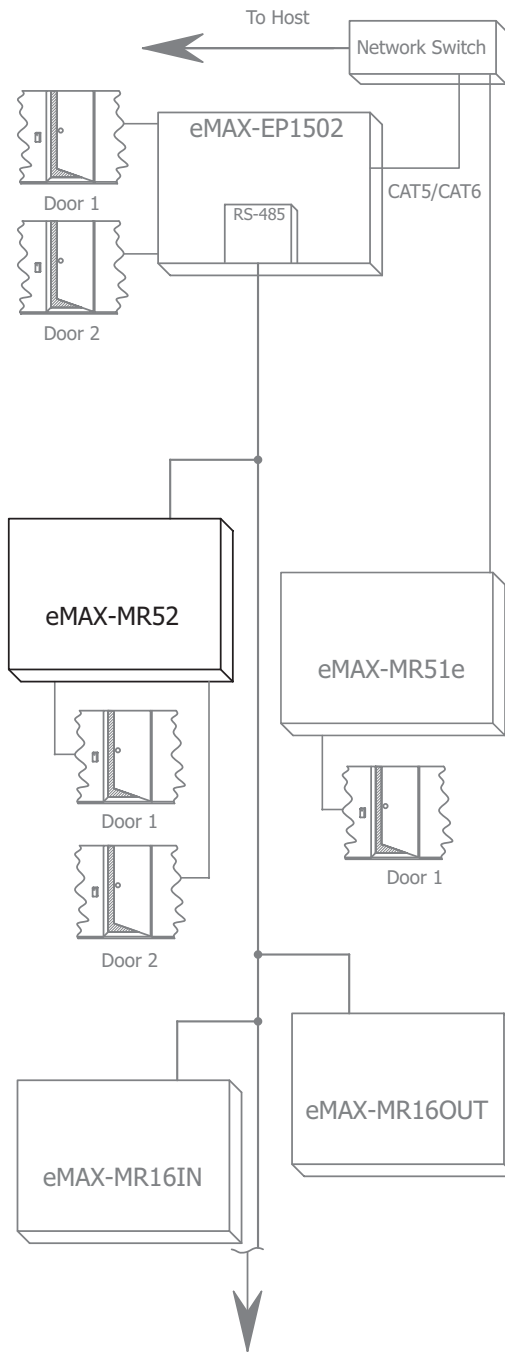
Dimensions:

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: 0-95% RHNC

Standards: UL294 Recognized, CE Compliant,
 ROHS,



MAXXESS

MAXXESS Systems, Inc.

Headquarters

1040 North Tustin Avenue
 Anaheim, CA USA
 92807

Tel 714 772 1000

800 842 0221

Fax 714 399 9358

Email sales@maxxess-systems.com

Service & Technical Support

Tel 714 772 1000

800 842 0221

Fax 714 399 9358

Email support@maxxess-systems.com

MAXXESS Systems Europe, Ltd.

Europe, Middle East, Africa

200 Brook Drive,
 Green Park, Reading,
 Berkshire, RG2 6UB
 United Kingdom

Tel +44 (0) 1344 440083

Fax +44 (0) 1344 325050

Email sales@maxxess-systems.com

www.maxxess-systems.com

Information furnished by MAXXESS is believed to be accurate and reliable. However, no responsibility is assumed by MAXXESS for its use nor for any infringements of patents or other rights of third parties that may result from its use. No license is granted by implication or otherwise under any patent rights of MAXXESS Systems, Inc. Specifications subject to change without notice.