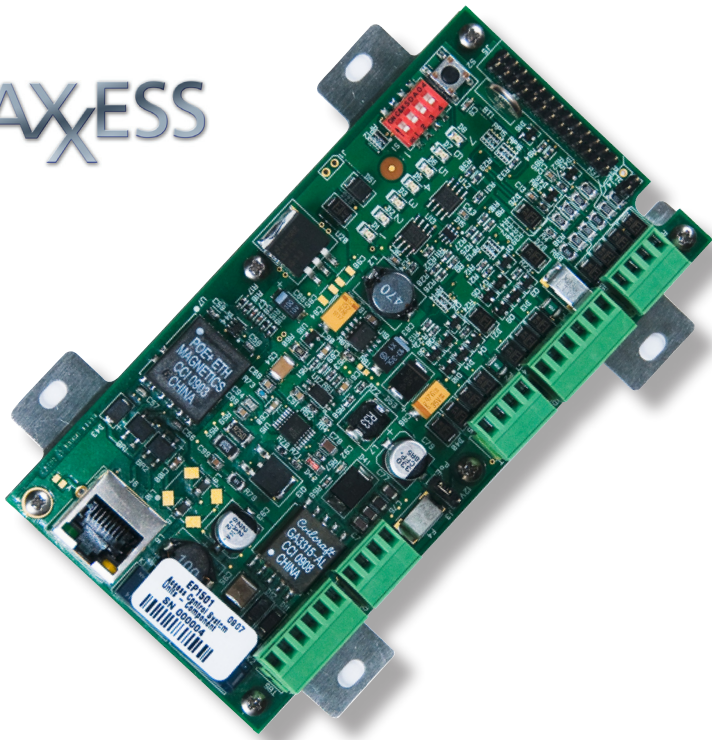




MAXXESS



System Controller eMAX-EP1501

MAXXESS Access Platform eMAX-EP1501 is the next generation intelligent controller within the eMAX-EP platform family. Feature-rich, the eMAX-EP1501 provides configurations with a high-performance, IP platform for controlling a single door onboard supporting an entry/exit card reader configuration. The eMAX-EP1501 controls a single portal with Power over Ethernet (PoE) capability or with standard 12v DC.

The eMAX-EP1501 seamlessly interfaces a single door to a larger system for flexible, reliable expansion. It can be expanded with up to 16 MR51e controllers for a complete IP-based solution and up to 8 RS485 SIO boards from the eMAX-MR family. This allows for additional inputs and outputs for functions such as mantraps. Note: You can combine eMAX-EP1501 controllers and RS485 SIO boards, but you can only control 17 doors max, including the one onboard.

The eMAX-EP1501 functions independently of the host and is capable of controlling access and managing elaborate processes such as:

- relating selected system devices and their activity to other onboard devices
- allowing actions and activities to transpire without host intervention.

The MAXXESS eMAX-EP1501 is capable of interfacing with an array of reader technologies for a single door. Reader ports support separate in/out readers and technologies that include Wiegand, clock and data, RS-485, magnetic stripe, keypads, LCD and biometrics.

The eMAX-EP1501 provides the flexibility, versatility and reliability you need for system success.

Application Notes

The Access Platform eMAX-EP1501 is the next-generation intelligent cornerstone of an access system, providing its first reader capability. The eMAX-EP1501 seamlessly interfaces a single door with a larger system for easy expansion. Providing all the intelligence and functionality of the MAXXESS family of controllers, the eMAX-EP1501 is PoE capable and sets the standard for powerful, reliable performance, all at an economical price point for OEMs.

Features:

- *Decentralizes system intelligence ("intelligence at the edge")*
- *Single-door interface*
- *Network ready*
- *Scalable to control 16-17 doors depending on configuration*
- *Seamless software interface*
- *Supports multiple card formats and card reader technologies*
- *PoE capable*
- *Triple gang footprint for easy mounting*
- *eMAX-MR51e support (up to 16 which can control up to 17 doors including the onboard)*
- *eMAX-MR50, MR52, MR16 in, or MR16 out via RS485 support (up to 8 RSIO devices which can control up to 16 doors)*

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

System Controller eMAX-EP1501

Technical Specifications

Power Input: PoE Power Input 12.95W, compliant to IEEE 802.3af or 12Vdc $\pm 10\%$ 900 mA maximum power supply. Note: For UL installations, POE powered devices shall not be used, power for these devices must be provided by an UL 294 listed power limited source (12Vdc).

Power Output:

12Vdc @ 650mA including reader and AUX output

Reader Interface:

Reader Power: PoE: 12 Vdc $\pm 10\%$ or local power supply (12Vdc). (PTC limited 150mA max)

Inputs: 2 general purpose programmable circuit type, and dedicated tamper

Outputs: 2 relays Form C, 2A @ 30Vdc

Reader Ports: Two TTL reader ports or one 2-wire RS-485 reader port capable of supporting two readers.

Keypad: Multiplexed with card data

LED: TTL compatible

Buzzer: Only with 'one-wire' LED

Dimensions:

Without Bracket -

5.5" (140mm)W x 2.75" (70mm)L x 0.96" (24mm)H

With Bracket -

5.5" (140mm)W x 3.63" (92mm)L x 1.33" (34mm)H

Temperature: 0-77°C operational, -55-85°C storage

Humidity: 10-95% RHNC

Technical Features

Connectivity

Primary Port: 10/100 Ethernet

Door Control

One physical barrier can be controlled using single or paired readers. Two reader ports: Mag, Wiegand, or RS-485 (RS-485 on one reader port capable of supporting two readers.)

Two supervised inputs, two relays. Diagnostic LEDs.

Dedicated tamper input.

Access Control

- 240,000 Cardholders, 50,000 Transaction buffer.
- 32 Access Levels per cardholder.
- 19 digit (64-bit) Userid and 15 digit PIN numbers maximum.
- Activation/Deactivation Dates.
- If/Then Macro capability

Card Formats:

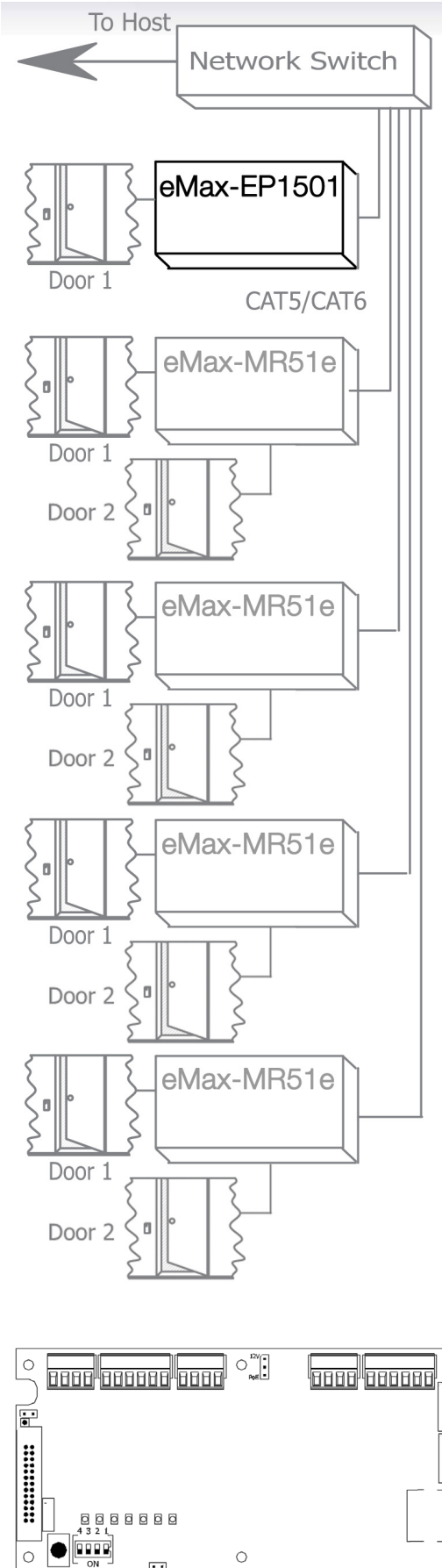
8 active card formats per EP1501. PIV-II, CAC, TWIC card compatible. Anti-passback support
Nested area, hard, soft, or timed forgiveness.

Alarm Management

Normally open/Normally closed, unsupervised, supervised. Standard or custom end-of-line resistances.

Standards:

UL294 Recognized (pending), CE Compliant, ROHS, FCC Part 15 Class A, NIST Certified Encryption



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

Doncastle House,
Doncastle Road,
Bracknell, Berkshire, UK
RG12 8PE

Tel +44 (0) 1344 440083

Fax +44 (0) 1344 424658

Email sales@maxxess-systems.com

www.maxxess-systems.com

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