



System Controller eMAX-EP2500

Features

- *Multi-operating system interface*
- *Multi-host interface communications*
- *Fault-tolerant communications capability*
- *Multi-card format support*
- *Multi-reader technology support*
- *AES 128 bit data encryption*
- *HSPD-12/FIPS201 Compliant*
- *UL 294 Recognized*
- *Alarm keypad support*
- *Function key support*
- *Universal I/O device characterization*

Benefits

- *Network ready*
- *Decentralizes system intelligence*
- *Intelligent oversight, auxiliary monitoring*
- *Scaleable to 64 doors*

The Maxxess system controller eMAX-EP2500 is an intelligent controller platform with built-in or "native" network support. The flexible, high-performance controller provides an Ethernet ready, fault-tolerant panel capable of efficiently managing a large network of access panels in any system design.

The eMAX-EP2500 functions independently of the host. It is capable of controlling access, managing alarms, interfacing with an array of hardware devices, while providing the decision-making oversight that each system configuration requires. For example, the controller is able to relate the activities of selected system devices to other devices, allowing specified actions and activities to transpire without host intervention.

Using an intelligent next-generation foundation, the controller uses an RS-485 or Ethernet link to connect to a Windows or Linux host to provide access control, alarm management and scheduled operations all in one package. Once configured, the eMAX-EP2500 functions independently of the host, and is capable of controlling access, managing alarms, interfacing with an array of eMAX hardware devices. Providing centralized biometric template management, the system controller supports the range of reader technologies, including Wiegand, magnetic stripe and biometric RS-485 connectivity.

Application Notes

As an intelligent system cornerstone capable of enterprise-wide performance, the eMAX-EP2500 provides the greater system capacity than the eMAX-EP1502 controller platforms. The system controller is best deployed in systems where high-end capabilities and network-ready capacity are required. For high device counts, large numbers of readers and a high volume of system activity, the eMAX-EP2500 is the controller of choice.

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

System Controller eMAX-EP2500

Technical Specifications

Primary Power: 12-24 Vdc +/- 10%,
500mA maximum

Serial Ports: Primary 10/100 Ethernet

- Port 1: RS-232
- Port 2: RS-485, 2-wire or Ethernet adapter
- Port 3: RS-485, 2-wire

Inputs: Two dedicated: tamper and power monitor

Dimensions: 5.0" x 6.0" x 1.0"
(127mm x 152mm x 25mm)

Temperature: 0-70°C operational,
-55-85°C storage

Humidity: 0-95% RHNC

Standards: UL294 Recognized, CE Compliant,
ROHS, FCC Part 15 Class A,
NIST Certified Encryption

Technical Features

Connectivity

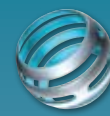
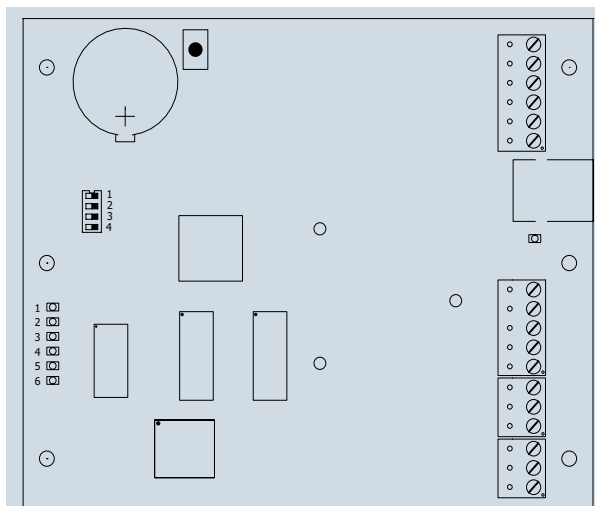
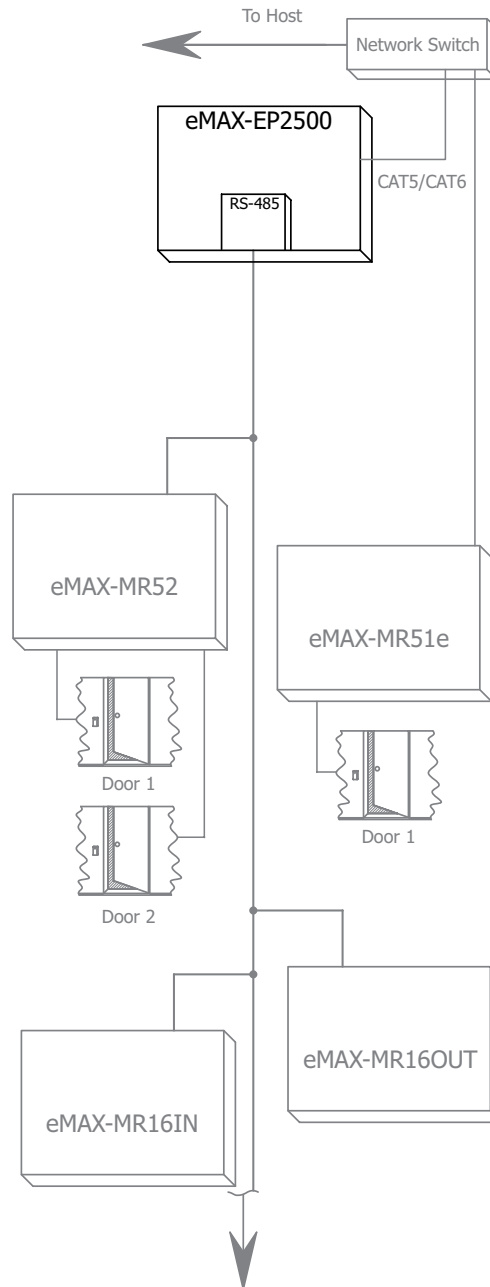
Primary Port: 10/100 Ethernet
IP Server, IP Client, DHCP Client
HTTP, TLS, X.509, SNMP
Back up channel: RS-232, RS-485, Dial-up

Access Control

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

Card Formats:

8 active card formats per eMAX-EP2500. PIV-II,
Entire card number reported on invalid read
19 digit (64-bit) Userid and 15 digit
PIN numbers maximum
PIV-II, CAC, TWIC card compatible
32 Access Levels per cardholder
Activation/Deactivation Dates
Anti-passback support
Area-based, reader-based, or time based
Nested area, hard, soft, or timed forgiveness



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) 870 234 7654

Fax +44 (0) 870 234 7655

Email sales@maxxess-systems.com

Service & Technical Support

Tel +44 (0) 870 234 7654

Fax +44 (0) 870 234 7655

Email support@maxxess-systems.com

www.maxxess-systems.com

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