



MAXESS



System Controller eMAX-EP1502

Features

- *Multi-operating system interface*
- *Multi-host interface communications*
- *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

- *Decentralizes system intelligence*
- *Two-door interface with auxiliary I/O*
- *Intelligent oversight, auxiliary monitoring*
- *Scaleable to 64 doors*

The Maxxess system controller eMAX-EP1502 is a multi-port controller platform that provides a high-performance Ethernet ready, cost-effective dual card reader panel capable of controlling two doors. It is scalable to 64 doors.

The controller functions independently of the host, and is capable of controlling access, managing alarms and interfacing an array of reader devices. Reader ports support separate in/out readers of all technologies, including Wiegand, clock and data, RS-485, magnetic stripe, keypads, LCD and biometrics. The eMAX-EP1502 is capable of controlling sophisticated processes and procedures. It is also capable of relating selected system devices and the activity they generate to other devices, generating actions and activities without host intervention.

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. In addition to interfacing with an array of reader technologies through its Wiegand, magnetic stripe and biometric RS-485 connectivity, it is capable of centralized biometric template management.

Alarm Management capabilities include standard or customized end-of-line resistances; programmable sensitivity and hold time for line conditioning; entry delay latching and unlatching options; and entry-exit delays.

Application Notes

The eMAX EP-1502 controller provides the flexibility, versatility and reliability to take maximum advantage of Maxxess's powerful software.

By reliably distributing system intelligence, the eMAX-EP1502 ensures that activities generated by select devices can be related to other devices for continued actions without host intervention.

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

System Controller eMAX-EP1502

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

Inputs: 8 general purpose: programmable
circuit type Two dedicated: tamper
and power monitor

Outputs: 4 relays: Form C, 5A 30Vdc

Reader Ports: 2 Reader ports

Power: Unregulated pass through
(150mA max.)

Signaling Card/Data, Wiegand or RS-485

Keypad: Multiplexed with card data

LED: Two-wire or one-wire
bicolor support

Buzzer: Only with 'one-wire' LED

Dimensions: 6.0" x 8.0" x 1.0"
(152mm x 203mm 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 RS-232, Dial-up

Door Control

Two reader ports: Mag, Wiegand, or RS-485
Eight supervised inputs, four relays.
Diagnostic LEDs

Access Control

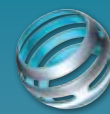
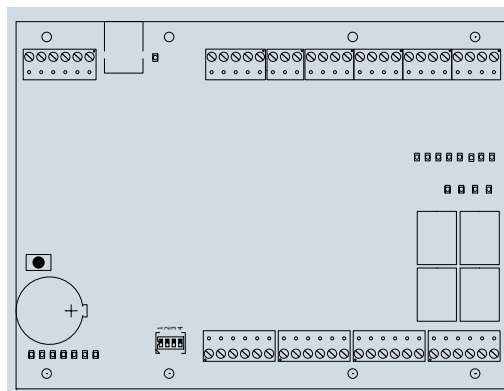
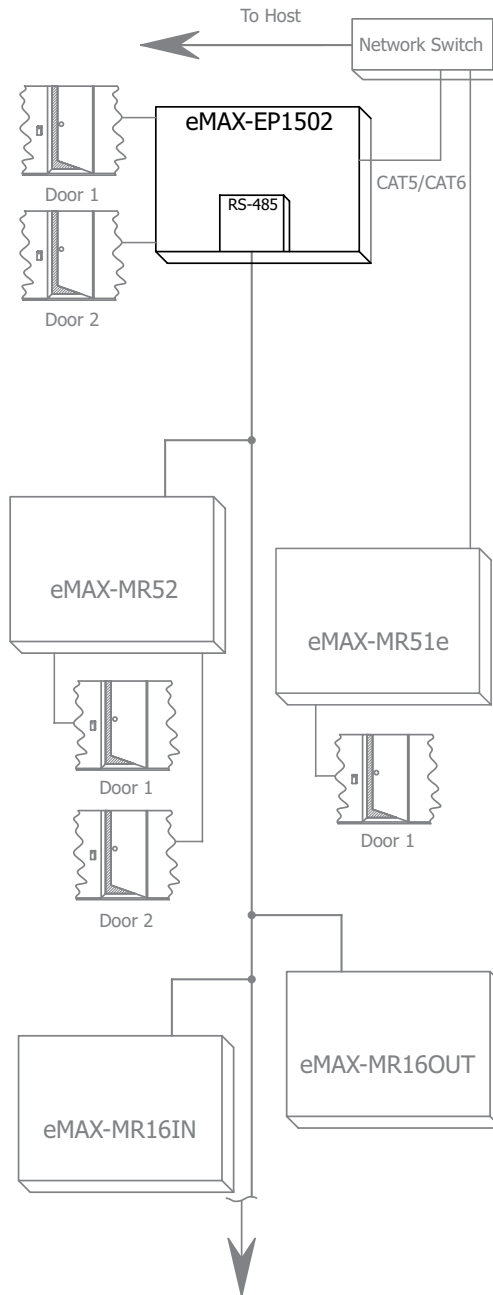
240,000 Cardholder capacity, 50,000 Transaction buffer.
32 Access Levels per cardholder.
19 digit (64-bit) UserId and 15 digit PIN numbers
maximum.
Activation/Deactivation Dates. If/Then Macro capability

Card Formats:

8 active card formats per eMAX-EP1502. 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.



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