**Benefits**

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

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

The Access Platform EP2500 is an intelligent controller platform with native network support. This powerful and high-performance platform provides an Ethernet ready, fault-tolerant panel capable of efficiently managing a large network of access panels in any system design.

Based on the intelligent next-generation Mercury Access Foundation, the platform 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. The EP2500 is capable of elaborate processes and procedures without host intervention. Once configured, the EP2500 functions independently of the host, and is capable of controlling access, managing alarms, interfacing with an array of Mercury hardware devices, all while providing the decision-making oversight that each system configuration requires. Providing centralized biometric template management, the EP2500 supports the range of reader technologies, including Wiegand, magnetic stripe and biometric RS-485 connectivity.

Leverage Mercury's market acceptance and proven track record to bring your system or product to the market forefront.

Application Notes

As an intelligent system cornerstone capable of enterprise-wide performance, the EP 2500 provides the greatest system capacity within Mercury's family of controller platforms. The Access Platform EP2500 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 EP 2500 is the controller of choice.

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

Technical Specifications
Primary Power:

12-24 Vdc +/- 10%, 300mA maximum

Serial Ports:

Primary 10/100 Ethernet

 Port 1: RS-232, 2-wire
 RS-485, Modem,

or Ethernet adapter

Port 2: RS-485, 2-wire

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 EP2500

Entire card number reported on invalid read

 19 digit (64-bit) UserId and 15 digit
 PIN numbers maximum

PIV-I, CAC, TWIC card compatible

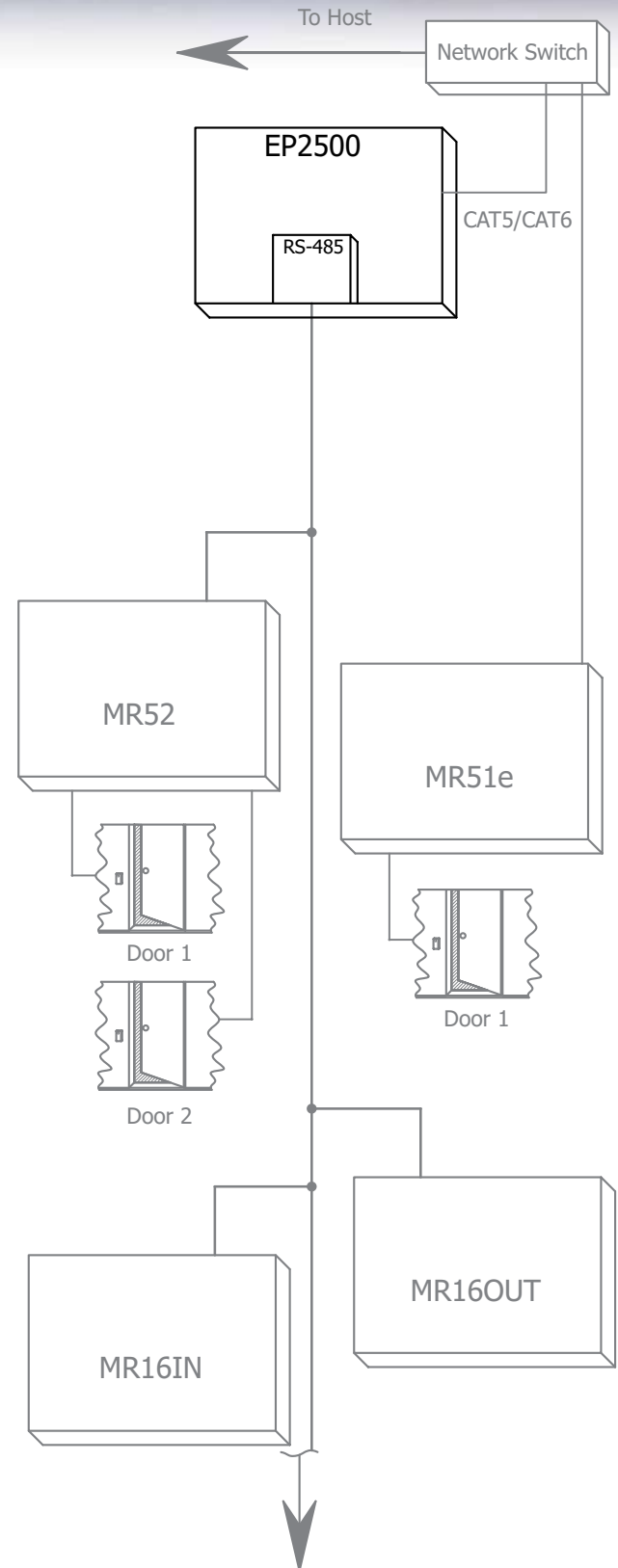
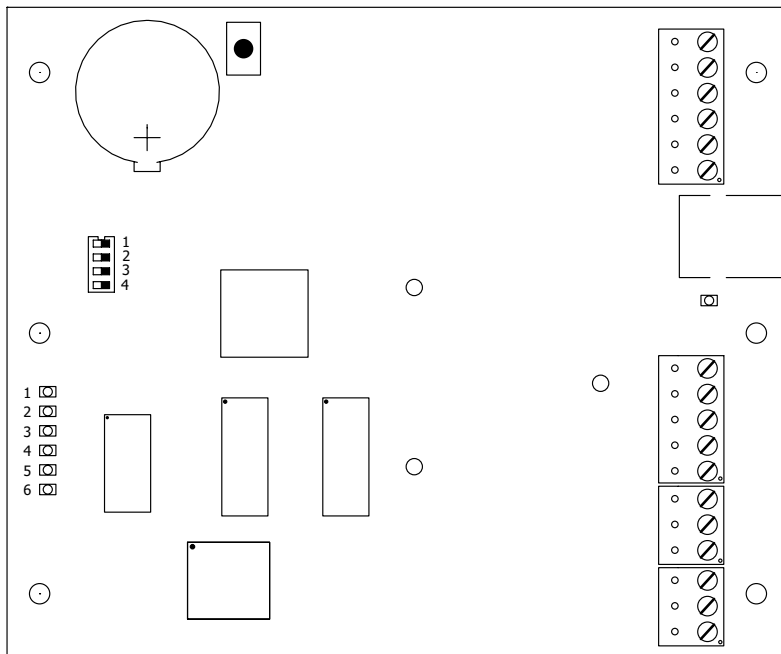
32 Access Levels per cardholder

Activation/Deactivation Dates

Anti-passback support

Area-based, reader-based, or time based

Nested area, hard, soft, or timed forgiveness


For More Information:

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