



EP-2500

## Scaleable Architecture

The EP-2500 controller is the next generation intelligent controller from Mercury Security. It brings new features, high performance and a competitive cost to the access control market. It includes built in 10/100 Ethernet support. The controller provides 12MB of user RAM on board.

The EP-2500 is HSPD-12/FIPS201 Compliant. The controller supports up to 8 active card formats including, Weigand, PIV-II, CAC and TWIC cards in addition to 19 digit (64 bit) user IDs with up to 15 digit PIN numbers.

A compact 6x8 form factor allows for easy installation and requires minimal wall space.

Hardware status indicators are plentiful and allow for confirmation of proper operation without any specialized test equipment. Individual LEDs indicate the state of each input, each relay, and each reader.

Connection options with the EP-2500 include Ethernet, RS-232 and RS-485. After configuration is complete, the EP-2500 can perform all functionality without dependence on the host computer.

The EP Series 2500 System Processor Module (EP-2500) supports connections to the SCP series DDM, ICM and OCM controllers for expansion.

The EP-2500 can support up to 600,000 cardholders and 50,000 transactions.

## Features

- 12-24 VDC
- Onboard TCP/IP Support
- 12MB User RAM
- UL294 Compliant
- CE Compliant
- AES 128 bit encryption, NIST Certified
- HSPD-12/FIPS201 Compliant
- PIV-II, CAC, TWIC Card Compatible

## Benefits

- Power Readers from Controllers
- Cost Effective Installation
- Support All Popular Reader Technologies
- Field Upgradeable
- Meets FIPS 201 Standards
- Supports Government Card Formats

# EP-2500 SPECIFICATIONS

## TECHNICAL SPECIFICATIONS

<b>ELECTRICAL:</b>	Primary Power: 12-24 Vdc +/- 10%, 500 mA maximum
<b>COMMUNICATION:</b>	Ethernet, RS-232, 2-wire RS-485
<b>INPUTS:</b>	2 dedicated: tamper and power monitor
<b>OUTPUTS:</b>	No outputs
<b>READER PORTS:</b>	No reader ports
<b>POWER:</b>	Unregulated pass through (150mA max)
<b>CARD DATA:</b>	TTL Compatible (mag stripe / Wiegand), RS-485
<b>KEYPAD:</b>	<b>Multiplexed with card data, 4-bit or 8-bit burst</b>

<b>MECHANICAL:</b>	Dimensions: 6.0 " W x 8.0 " L x 1.0 " H ( 152mm W x 203mm L x 25mm H )
<b>ENVIRONMENTAL:</b>	Temperature: 0-70° C operational, -55-85° C storage Humidity: 0 to 95% RHNC

### COMPATIBLE SYSTEM PROCESSOR MODULES:

Eclipse™ 700 systems:

### RELATED COMPONENTS:

SDM, DDM, ICM, OCM

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