

Mercury EP1502 Intelligent Controller

The multi-port EP1502 is an Ethernet-enabled dual card reader panel for controlling two connected doors and managing up to 64 doors/openings. Built on the Authentic Mercury platform, the intelligent controller uses an Ethernet link to connect to a BluSKY™ host for access control, alarm management and scheduled operations—all in single package.

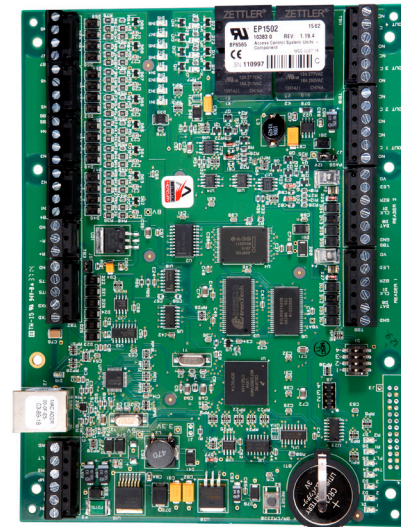
With native connectivity, the high-performance EP1502 functions independently of the host for performing numerous access control applications and interfacing with an array of reader technologies: Wiegand, OSDP, RS-485 magnetic stripe, and biometrics.

Alarm management capabilities include standard end-of-line (EOL) resistances; programmable sensitivity and hold time for line conditioning; entry delay latching and unlatching options; and entry-exit delays

The result is a powerful intelligent controller that delivers flexibility, versatility and reliability for a successful access control system.

Application Notes

The EP1502 reliably distributes intelligence to ensure the activities generated by select devices can be related to other devices for continued actions, without host intervention.



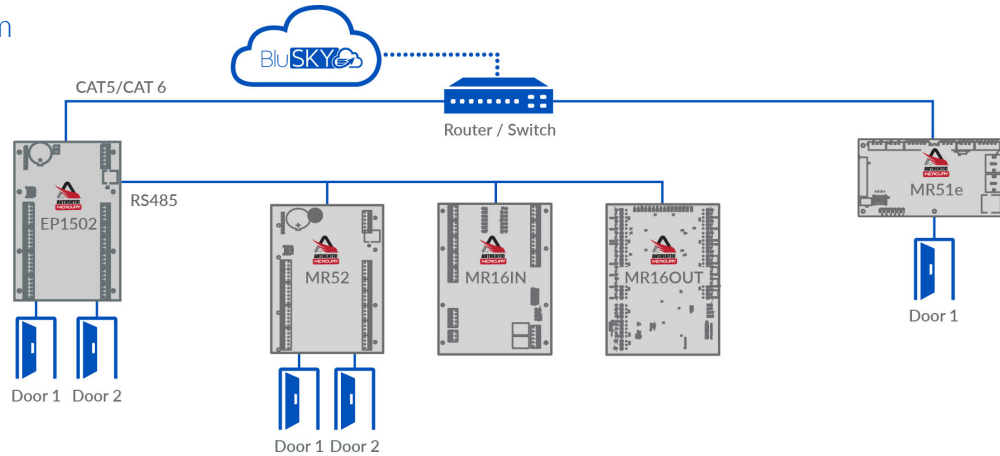
Features

- 1 Multi-operating system interface
- Multi-host interface communications
- AES 128-bit data encryption support
- Alarm keypad support
- Function key support
- Universal I/O device
- UL 294 recognized

Benefits

- Scalable to 64 doors/openings
- Connects to a BluSKY™ host for increased programming versatility
- Supports a range of wired and wireless reader technologies
- Supports multiple card formats for flexibility
- Intelligent oversight of auxiliary point control and monitoring

System Diagram



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

Ordering Information

MFG Part #	BluBØX Order #	Description
EP1502	120-1100	Mercury - EP1502 Two Door DB Controller Ethernet 12/24VDC Auxiliary I/O

Connectivity

Primary Port:

- 10/100 Ethernet
- RS-232, dial-up

Door Control:

- Two reader ports (Mag, Wiegand, or RS-485; 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) User ID and 15-digit PIN numbers max.
- Activation/deactivation dates
- If/then macro capability

Card Formats:

- 8 active card formats per EP1501
- 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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