

**Benefits:**

- Decentralizes system intelligence
- Single-door interface
- Network ready
- Scalable to 17 doors

Features:

- Seamless software interface
- Supports multiple operating systems, card formats and card reader technologies
- Auto discovery
- PoE capable
- Triple gang footprint
- MR51e support (up to 16)

Mercury's Access Platform EP1501 is the next-generation intelligent controller within the EP platform family and is built on the Mercury Access Foundation. Feature-rich and fully Mercury enabled, the EP1501 provides OEMs with a high-performance, Ethernet ready, cost-effective dual card reader panel capable of controlling a single opening. The EP1501 is expandable up to 8 downstream SIO controllers and up to (16) MR51e network ready door controllers for a total of 17 doors. Easy installation with Power over Ethernet (PoE) makes this the top choice for a single-door controller.

Once configured the Mercury EP1501 functions independently of the host and is capable of controlling access and managing elaborate processes such as relating selected system devices and their activity to other onboard devices, allowing actions and activities to transpire without host intervention.

Offering powerful flexibility, the Mercury EP1501 is capable of interfacing with an array of reader technologies for a single opening. Reader ports support separate in/out readers and technologies that include Wiegand, clock and data, RS-485, magnetic stripe, keypads, LCD and biometrics.

The result is the flexibility, versatility and reliability you need for system success. Leverage Mercury's market acceptance and proven track record to bring your system or product to the market forefront.

Application Notes

The Access Platform EP1501 is the next-generation intelligent cornerstone of an access system, providing its first reader capability. The EP1501 seamlessly interfaces a single opening with a larger system for easy expansion. Providing all the intelligence and functionality of the Mercury family of controllers, the EP1501 is PoE capable and sets the standard for powerful, reliable performance, all at an economical price point for OEMs.

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

Technical Specifications

Power Input: PoE Power Input 12.95W, compliant to IEEE 802.3af or 12Vdc ±10% 900 mA maximum power supply. **Note:** For UL installations, POE powered devices shall not be used, power for these devices must be provided by an UL 294 listed power limited source (12Vdc).

Power Output: 12Vdc @ 650mA including reader and AUX output

Reader Interface: Reader Power: PoE: 12 Vdc±10% or or local power supply (12Vdc).(PTC limited 150mA max)

Inputs: 2 general purpose programmable circuit type, and dedicated tamper

Outputs: 2 relays Form C, 2A @ 30Vdc

Reader Ports: Two TTL reader ports or one 2-wire RS-485 reader port capable of supporting two readers.

Keypad: Multiplexed with card data

LED: TTL compatible

Buzzer: Only with 'one-wire' LED

Dimensions:
 Without Bracket - 5.5" (140mm)W x 2.75" (70mm)L x 0.96" (24mm)H
 With Bracket - 5.5" (140mm)W x 3.63" (92mm)L x 1.33" (34mm)H

Temperature: 0-77°C operational, -55-85°C storage

Humidity: 10-95% RHNC

Technical Features

Connectivity
 Primary Port: 10/100 Ethernet

Door Control
 One physical barrier can be controlled using single or paired readers. Two reader ports: Mag, Wiegand, or RS-485 (RS-485 on one reader port capable of supporting two readers.)
 Two supervised inputs, two relays. Diagnostic LEDs. Dedicated tamper input.

- Access Control**
- 240,000 Cardholders, 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 EP1501. 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.

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

