Overview
The Open Options SSP-EP is a powerful access control panel designed with the enterprise system in mind. The SSP-EP is a native IP-ready intelligent controller capable of managing up to 64 doors using Open Options RS-485 or IP reader modules. With 15 MB available memory, the SSP-EP can store over 600,000 card holders and 50,000 transactions.

The integrated 10/100 Ethernet port not only means faster more efficient connections to the host, but also less equipment and connections to manage compared to earlier generation panels. The SSP-EP also supports communication speeds up to 10 times faster than traditional serial connections.

Connecting over IP is simplified using DHCP for auto-assigning IP addresses and device name recognition for easy management with a DNS server.

The feature-rich SSP-EP offers an advanced solution for any access control application. The SSP-EP is ideal for the extended enterprise site as well as smaller sites that need room to grow.

Features
- Native on-board 10/100 Ethernet for up to 10x faster throughput than traditional serial connections
- Supports up to 64 access control doors
- Built-in support for IR Schlage PIM400-485 for communicating with wireless access devices
- PIV-II, CAC, TWIC card compatible
- DHCP and static IP addressing support
- Standard 15 MB available non-volatile flash memory stores over 600,000 cardholders
- Background firmware downloads with system configuration restored from flash memory for seamless updates
- Storage and backup for 50,000 events in buffer
- 12 or 24 VDC input voltage
- Biometric template management
- AES 128-bit encryption option for host communications (NIST Certified)
- Support for multiple card formats
- Diagnostic LEDs
- Dedicated tamper and power failure inputs
- Improved Area and Anti-passback support
- Precision Access
- Elevator Control up to 128 floors
- If/Then Macro functionality
SSP-EP Controller

Specification

| Primary Power | The SSP-EP is for use in low voltage, power-limited, class 2 circuits only. DC input: 12 or 24 VDC ± 10%. 250 mA maximum |
| Memory and Clock Backup | 3 V Lithium, type BR2330 or CR2330 |

Communication

| Primary (Ethernet) Port: | 10-BaseT/100Base-TX and Micro USB port (2.0) with optional adapter: pluggable model USB2-OTGE100 |
| Alternate Upstream Port 1: | RS-232 9600 to 115.2 Kbps async, optional Ethernet card (serial server) |
| Downstream Ports 2-3: | RS-485 (2-wire) 9600 to 38.4 Kbps async |

Inputs

| Tamper and Power Monitors: | Unsupervised, dedicated |

Environmental

| Temperature: | Operating: 0° to 70° C (32° to 158° F) Storage: -55° to 85° C (-67° to 185° F) |
| Humidity: | 0 to 95% RHNC |

Mechanical

| Dimensions: | 5 x 6 x 1 in. (127 x 152 x 25 mm) |
| Weight: | 4 oz. (115 g) nominal |

Listings/Approvals

| UL294 Recognized, FCC Part 15 Class A, CE Compliant, RoHS, NIST Certified Encryption Advanced Encryption Standard (AES) 128-bit communication algorithm |

Application

DNA Fusion
Security Management Server

Local Area Network

Network Door Controller (PoE) 32 Per SSP-EP
SSP-EP
Open Options Intelligent Controller
RS-485 (Dedicated*)
RS-485
NSC-100
32 Per SSP-EP
RS-485
Sclage PIM400-485
Support for up to 16 AD400 Wireless Locks

* Combining Mercury SIO and PIM400/AD300 on same 485 channel is not supported