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.

SSP-EP Features/Benefits

- 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%. 300 mA maximum

**Memory and Clock Backup**
- 3 V Lithium, type BR2325, BR2330, CR2330

**Communication**
- **Primary (Ethernet) Port:** 10/100Base-T Ethernet high-speed port
- **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**
- UL Recognized Component
- ROHS-compliant
- Advanced Encryption Standard (AES) 128-bit communication algorithm

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**Application**

[Diagram showing connections and components]

- **NSC-100** 32 Per SSP-EP
- **Open Options Intelligent Controller**
- **RSC-2**
- **DNA Fusion Security Management Server**
- **Schlage PIM400-485** Support for up to 16 AD400 Wireless Locks

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

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