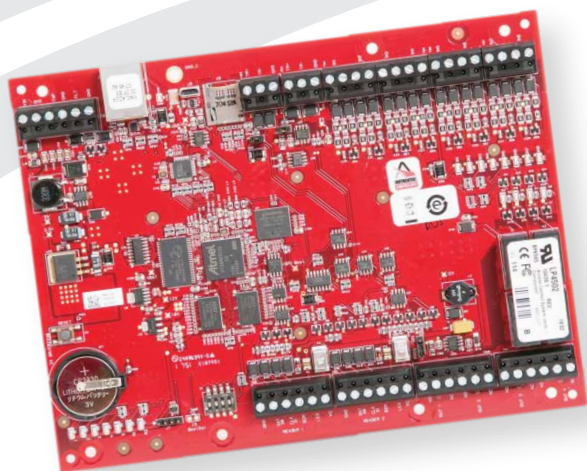


# Intelligent LX Application Controller



## Overview

The Open Options SSP-LX is our most advanced intelligent controller available for connecting up to 2 openings and scalable to 64 access points. The flexible SSP-LX features an embedded Linux Operating System to enable complimentary third-party software applications\*, extensive communications support and heightened IT security capabilities. Additionally, the SSP-LX supports the BACnet standard allowing support for HVAC, building automation, lighting and other functionality\*.

The controller's enhanced onboard memory is designed to support multiple system applications and increased card populations with its storage capacity of up to 2,000,000 identities and an event buffer of 50,000 transactions.

The SSP-LX connects directly to the LAN and supports the Open Supervised Device Protocol (OSDP) for bidirectional communication to RS-485 and biometric devices.

\* Development may be required.

## SSP-LX



## Features

- Native on-board 10/100 Ethernet with IPv4 and IPv6 connectivity
- DHCP and static IP addressing support
- Built-in control for 2 access control doors (2 reader ports, 4 Form-C relay outputs, 8 supervised inputs)
- Standard 96 MB available non-volatile flash memory stores up to 2,000,000 cardholders\*
- Background firmware downloads with system configuration restored from flash memory for seamless updates.
- Storage and backup for 50,000 events
- 12 or 24 VDC input voltage
- AES 128 or 256 bit encryption option for host communications
- On-board reader ports support magstripe, Wiegand, and OSDP 485 readers and keypads
- Support for multiple card formats
- Diagnostic LEDs
- Dedicated inputs for tamper and power failure
- Precision Access
- Elevator Control up to 128 floors
- If/Then Macro functionality
- Support for High Assurance Credentials
- BACnet for building automation and control\*\*
- FIPS-201 capable
- Support for wide range of 3rd party applications\*\*

\* Based on estimated values and memory allocation options.

\*\* Development may be required. Contact Open Options for details.

# SSP-LX Controller

## Specification

### Primary Power

DC input: 12 or 24 VDC  $\pm$  10%. 500 mA maximum (reader current not included)  
 12Vdc @ 250mA / 24Vdc @ 150mA (plus reader current) nominal  
 Memory and Clock Backup 3 V Lithium, type BR2325, BR2330, CR2330

### Communication

Primary (Ethernet) Port: 10/100Base-T Ethernet high-speed port  
 Downstream Ports (2): RS-485 (2-wire) 9600 to 38.4 Kbps async (Port 1 and 2)

### Inputs

Tamper and Power Monitors: Unsupervised, dedicated  
 Door status, REX, and AUX: 8 programmable inputs  
 (normally open/closed/supervised/non-supervised)

### Outputs

Relay outputs: 4 Form-C 5 A at 30 VDC relay outputs (user-defined as strike or AUX)

### Reader Ports

DC output: 12VDC $\pm$ 10% regulated, current limited to 180mA for each reader OR  
 12 to 24VDC $\pm$ 10% (pass through) current limited to 180mA per reader  
 Reader Compatibility Wiegand Data1/Data0, Magnetic Clock/Data, OSDP Compatible Devices  
 (Open Supervised Device Protocol RS-485)

### Environmental

Temperature: Operating: 0° to 50° C (32° to 122° F)  
 Storage: -55° to 85° C (-67° to 185° F)  
 Humidity: 0 to 95% RHNC

### Mechanical

Dimensions: 6 x 8 x 1 in. (152 x 203 x 25 mm)  
 Weight: 9 oz. (255 g) nominal

### Listings/Approvals

UL Recognized Component, CE Compliant, ROHS-compliant  
 NIST Certified Encryption (AES) 128-bit communication algorithm  
 BACnet Compliant, PSIA, SNMP, OSDP and OSDP SC

## Application

