

## In-Line PoE Surge Protector - 1 Gbps, IEC Compliant, TAA

MODEL NUMBER: B110-SP-POE-1



Protects Power over Ethernet (PoE) equipment from damage caused by power surges and electrostatic discharge (ESD).

### Features

#### In-Line Surge Protector Keeps Your Power Over Ethernet (PoE) Equipment Safe

Ideal for home/corporate security systems, home theaters, trade shows and other digital signage applications, the B110-SP-POE-1 protects connected equipment from damage caused by power surges and electrostatic discharge (ESD). Just connect it between your source and network equipment using Cat5e/6 cables (such as N001-Series cables, sold separately). **Note:** Two B110-SP-POE-1 surge protectors are required to protect both source and device.

#### Your Last Defense Against Intruding Voltage Spikes

Solid-state silicon-avalanche diode technology features low clamping voltage, providing superior protection against ESD and super-fast response time under one nanosecond. Both mid-span and end-span PoE are supported. The B110-SP-POE-1 meets the following IEC/EN regulations: IEC 61000-4-2 / IEC 61000-4-5 (ESD) 30kV (Air, Contact) and EN 61000-4-5 5kA (8/20s) / 4kV (10/700s).

#### Ready to Use Right from the Package, So You Can Plug and Play Immediately

This PoE in-line surge protector meets 802.3af and 802.3at IEEE standards, while supporting data transmission speeds up to 1 Gbps. No software or external power supply is required. The compact housing is designed to endure in applications where static discharge is likely to occur. Mounting hardware is included for convenient installation where needed. Be sure the distance between the B110-SP-POE-1 and the equipment it is protecting is no more than 300 feet (91 meters).

#### TAA-Compliant for GSA Schedule Purchases

The B110-SP-POE-1 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

### Highlights

Easy to connect between PoE source and device using standard Cat5e/6 cabling  
Rapid reaction time under 1 ns helps prevent damage from power surges  
Supports 802.3af/802.3at IEEE standards and data transmission speeds up to 1 Gbps  
Plug-and-play operation with no software required for easy, immediate installation  
Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### Package Includes

- B110-SP-POE-1 In-Line PoE Surge Protector
- Grounding wire, 1 ft. (0.3 m)
- Grounding wire screw
- (4) Mounting screws
- (2) Surface-mount brackets
- Installation Instructions

## Specifications

| OVERVIEW     |                         |
|--------------|-------------------------|
| UPC Code     | 037332286932            |
| Product Type | In-Line Surge Protector |



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|--|---|
| Accessory Type                               | Surge Protector   |
| Technology                                   | Cat5/5e; Cat6; Cat6a  |
| <b>INPUT</b>                                 |   |
| Input Cord Length (ft.)                      | 0   |
| Right-Angle Plug                             | No  |
| Input Cord Length (m)                        | 0.00  |
| <b>OUTPUT</b>                                |   |
| Output Receptacles                           | Network   |
| Right-Angle Outlets                          | No  |
| <b>CONNECTIONS</b>                           |   |
| Number of Ports                              | 1   |
| PoE Capability                               | 15.4W (802.3af); 30W (802.3at)                                    |
| Side A - Connector 1                         | RJ45 (FEMALE)   |
| Side B - Connector 1                         | RJ45 (FEMALE)   |
| Connector Plating                            | Gold  |
| PoE Type                                     | Type 1 PoE (15.4W, IEEE 802.3af); Type 2 PoE+ (30W, IEEE 802.3at) |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |   |
| Diagnostic LED(s)                            | No  |
| <b>SURGE / NOISE SUPPRESSION</b>             |   |
| AC Suppression Joule Rating                  | 0   |
| AC Suppression Response Time                 | <1 ns   |
| Automatic Shut-Off                           | No  |
| <b>DATALINE SURGE SUPPRESSION</b>            |   |
| Cable (Coax) Protection                      | No  |
| Network (Ethernet) Protection                | No  |
| Telephone/DSL Protection                     | No  |
| <b>PHYSICAL</b>                              |   |
| Material of Construction                     | ABS   |
| Housing Color                                | Black   |
| Included Mounting Accessories                | Two surface-mount brackets with screws                            |
| Rackmountable                                | No  |
| Shipping Dimensions (hwd / in.)              | 2.17 x 6.10 x 4.80  |



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| Shipping Dimensions (hwd / cm)               | 5.51 x 15.49 x 12.19                             |
| Shipping Weight (lbs.)                       | 1.24   |
| Shipping Weight (kg)                         | 0.56   |
| Unit Dimensions (hwd / in.)                  | 1.010 x 3.610 x 2.530                            |
| Unit Packaging Type                          | Box  |
| Unit Weight (lbs.)                           | 0.55   |
| Unit Weight (kg)                             | 0.25   |
| <b>ENVIRONMENTAL</b>                         |  |
| Operating Temperature Range                  | 32° to 104°F (0° to 40°C)                        |
| Storage Temperature Range                    | 5° to 122°F (-15° to 50°C)                       |
| Relative Humidity                            | 0% to 85% RH, Non-Condensing                     |
| ESD Protection                               | +/-15kV (air); +/-8kV (contact)                  |
| EFT Protection                               | 2kV  |
| Lightning Protection                         | 2kA (8/20 s), 6kV (8/20 s)                       |
| <b>COMMUNICATIONS</b>                        |  |
| Network Compatibility                        | 1 Gbps (Gigabit)                                 |
| EDID Compatible                              | No   |
| IR Remote Extension Support                  | No   |
| RS-232 Serial Extension Support              | No   |
| Consumer Electronics Control (CEC) Supported | No   |
| IEEE Standards Supported                     | 802.3af; 802.3at                                 |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |  |
| Rotatable Outlets                            | No   |
| Antimicrobial                                | No   |
| Grounding                                    | Includes 1 ft. (0.3 m) grounding wire with screw |
| 10/100 Ethernet Extension Support            | No   |
| Integrated/Removable Cable                   | No   |
| MST Support                                  | No   |
| Mounting Accessory Included                  | Yes  |
| Multi-Resolution Support                     | No   |
| Network Speed Support                        | 1 Gbps (Gigabit)                                 |
| Driver Required                              | No   |
| Recommended Category Cable                   | Cat5/5e/6  |
| DIN Mountable                                | No   |



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| STANDARDS & COMPLIANCE              |  |
|-------------------------------------|--|
| Product Certifications              | IEC 61000  |
| Product Compliance                  | CE (Europe); IEEE 802.3af PoE; IEEE 802.3at PoE+; RoHS; Trade Agreements Act (TAA); UKCA; WEEE |
| WARRANTY & SUPPORT                  |  |
| Product Warranty Period (Worldwide) | 2-year limited warranty  |

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