

# 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

1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
<https://tripplite.eaton.com>

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