

In-Line PoE++ Surge Protector - 10 Gbps, 802.3bt Type 4, Cat5e/6, Metal Case, DIN-Rail Mountable, IEC Compliant, TAA

MODEL NUMBER: **B110-SP-POEC-10**



Protects a Power over Ethernet (PoE) device in your 10G network against damage from ESD, cable discharge or power surge.

Features

DIN-Rail Mountable In-Line Surge Protector Keeps Your 10G Ethernet Equipment Safe

The B110-SP-POEC-10 protects high-power PoE++ devices from damage caused by electrostatic discharge (ESD), power surges and cable discharge events. Ideal for industrial AV, smart building infrastructure and automation environments, it supports 10 Gbps throughput and IEEE 802.3bt Type 4 power delivery over Cat5e/6/6a cabling for AV-over-IP and high-bandwidth networks. Just install it between your Ethernet source and PoE device using Cat5e/6/6a cables and ground it with the included wire. **Note:** Surge protection is unidirectional (source to device or device to source). Two B110-SP-POEC-10 surge protectors are required to protect both the source and the connected device.

Supports Power over Ethernet to Save You Money and Give You More Installation Choices

This surge protector supports a variety of PoE standards, including IEEE 802.3af (15W), 802.3at (30W) and 802.3bt Type 4 (100W). It supplies power to compatible PoE devices, such as outdoor IP cameras, wireless access points (WAP) on ceilings or rooftops, and digital signage equipment. This saves you the expense and effort of purchasing, connecting and installing individual power supplies for each device. It also helps you install PoE devices in areas far away from AC outlets, such as poles or ceilings. The surge protector is DIN-rail mountable for installation in tight enclosures or structured cabling environments.

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. Gas discharge modules on all four twisted pairs protect each wire from surges or spikes by dissipating the voltage transient through a contained plasma gas. The B110-SP-POEC-10 meets the following IEC regulations: IEC 61000-4-2 (8K/15kV), IEC 61000-4-5 2kA (8/20µs), 6kV (8/20µs) and IEC 61000-4-4 (2kV).

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

This in-line surge protector supports data transmission speeds up to 10 Gbps without signal degradation. No software, drivers or external power supply is required. The compact metal housing is designed to endure in applications where static discharge is likely to occur.

TAA-Compliant for GSA Schedule Purchases

The B110-SP-POEC-10 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 Ethernet source and device using standard Cat5e/6/6a cabling
- Rapid reaction time under 1 ns helps prevent damage from power surges
- Supports PoE to save you expense and effort of powering PoE devices individually
- 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-POEC-10 In-Line 10G PoE++ Surge Protector
- Grounding wire, 1 ft.
- Grounding wire screw
- DIN-rail clip
- (2) Surface-mounting brackets
- (2) Mounting screws
- (2) Screw anchors
- Installation instructions



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Specifications

OVERVIEW	
UPC Code	037332295194
Product Type	Surge Protector
Accessory Type	Surge Protector
Technology	Cat5/5e; Cat6; Cat6a; Cat8
Accessory Class	Audio Video Accessories
VIDEO	
Recommended Cabling	STANDARD CAT5/5E/6 CABLING
DISPLAY	
Response Time	<0.7NS
INPUT	
Input Cord Length (ft.)	0
Right-Angle Plug	No
Input Cord Length (m)	0.00
Bus Powered	No
Product Length (in.)	3.61
Product Length (cm.)	9.169
Product Length (ft.)	0.3
Product Length (m)	0.091
OUTPUT	
Output Receptacles	Network
Right-Angle Outlets	No
POWER	
Power Over Cable (PoC) Support	No
CONNECTIONS	
Number of Ports	2
PoE Capability	15.4W (802.3af); 30W (802.3at); 100W (802.3bt)
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)



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PoE Type	Type 1 PoE (15.4W, IEEE 802.3af); Type 2 PoE+ (30W, IEEE 802.3at); Type 4 High-Power (100W, IEEE 802.3bt)
USER INTERFACE, ALERTS & CONTROLS	
Diagnostic LED(s)	No
SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	0
AC Suppression Response Time	1 NS
Automatic Shut-Off	No
DATALINE SURGE SUPPRESSION	
Cable (Coax) Protection	No
Network (Ethernet) Protection	Yes
Telephone/DSL Protection	No
PHYSICAL	
Color	Black
Material of Construction	METAL, ZINC
Housing Color	Black
Included Mounting Accessories	Y
Included Mounting Accessory Description	DIN Rail (1), Mounting Brackets (2), Screw Anchors (2),
Mounting Holes or Slots	No
Slot or Hole Mount Measurement (Center to Center)	65 mm (2.56 in.)
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	2.17 x 10.24 x 6.46
Shipping Dimensions (hwd / cm)	5.51 x 26.01 x 16.41
Shipping Weight (lbs.)	0.62
Shipping Weight (kg)	0.28
Unit Dimensions (hwd / in.)	3.600 x 2.500 x 1.000
Unit Dimensions (hwd / cm)	9.17 x 6.43 x 2.57
Unit Packaging Type	Box
Unit Weight (lbs.)	0.29
Unit Weight (kg)	0.13
Mounting Details	Surface mount bracket with (4) M3 x 5 mm screws. DIN-mountable with optional accessory (part number B110-DIN-02).
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)



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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)
COMMUNICATIONS	
Network Compatibility	10 Gbps
Transmission Distance	100 ft (30.4 m)
IEEE Standards Supported	802.3af; 802.3at; 802.3bt
FEATURES & SPECIFICATIONS	
Rotatable Outlets	No
Antimicrobial	No
10/100 Ethernet Extension Support	No
Mounting Accessory Included	Yes
Network Speed Support	10 Gbps
Driver Required	No
Recommended Category Cable	Cat5e, Cat6, Cat6a, Cat8 Cables
DIN Mountable	Yes
STANDARDS & COMPLIANCE	
Product Certifications	IEC 61000
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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