In-Line Network Surge Protector - 10 Gbps, Cat6a/8, Metal Case, IEC Compliant, TAA

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



Protects a device in your 10G network against damage from electrostatic discharge, cable discharge or power surge.

Highlights

- Easy to connect between network source and device using standard Cat5/5e/6/8 cabling
- Rapid reaction time under 1 ns helps prevent damage from power surges
- Supports Ethernet network data transmission speeds up to 10 Gbps
- DIN-mountable with optional accessory (B110-DIN-02)
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- B110-SP-10G In-Line 10G Network Surge Protector
- Grounding wire
- Grounding wire screw
- Mounting hardware
- Quick Start Guide

Features

In-Line Surge Protector Keeps Your 10G Ethernet Network Equipment Safe
Ideal for home/corporate security systems, home theaters, trade shows and other digital signage applications, the B110-SP-10G protects connected network equipment from damage caused by electrostatic discharge (ESD), power surges and cable discharge events. Just connect it between your network source and device using Cat5/5e/6/6a/8 cables and ground it with the included wire. ***Note**: Surge protection is unidirectional e.g. from source to device or device to source. Two B110-SP-10G surge protectors, connected in a series, are required to protect both the source and the connected 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. 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-10G 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. Surface mounting hardware is included. Can be DIN-mounted with optional accessory (B110-DIN-02). Be sure the distance between the B110-SP-10G and the equipment it is protecting is no more than 100 meters (330-ft).

TAA-Compliant for GSA Schedule Purchases
The B110-SP-10G is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332269614

Product Type	Surge Protector
Accessory Type	Surge Protector
Technology	Cat5/5e; Cat6; Cat6a; Cat8
Accessory Class	Audio Video Accessories
DISPLAY	
Response Time	<1 ns
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
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
USER INTERFACE, ALERTS & CONTROLS	
Diagnostic LED(s)	No
SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	0
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	Aluminum
Housing Color	Black
Mounting Holes or Slots	No
Slot or Hole Mount Measurement (Center to Center)	65 mm (2.56 in.)
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	2.16 x 8.42 x 6.45
Shipping Dimensions (hwd / cm)	5.50 x 21.40 x 16.40
Shipping Weight (lbs.)	1.23
Shipping Weight (kg)	0.56
Unit Dimensions (hwd / in.)	3.610 x 2.530 x 1.010
Unit Dimensions (hwd / cm)	9.17 x 6.43 x 2.57
Unit Packaging Type	Box
Unit Weight (lbs.)	0.55
Unit Weight (kg)	0.25
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)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 85%, Non-Condensing
ESD Protection	8k/15kV
EFT Protection	2kV
Lightning Protection	2kA (8/20µs), 6kV (8/20µs)
COMMUNICATIONS	
Signal Range (ft.)	330
Signal Range (m)	101
Network Compatibility	10 Gbps
FEATURES & SPECIFICATIONS	
Rotatable Outlets	No
Antimicrobial	No

10/100 Ethernet Extension Support	No
Mounting Accessory Included	Yes
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

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

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