

## 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.

### 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.

### 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

## Specifications

OVERVIEW	
UPC Code	037332269614



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Product Type	Surge Protector
Accessory Type	Surge Protector
Technology	Cat5/5e; Cat6; Cat6a; Cat8
Accessory Class	Audio Video Accessories
<b>DISPLAY</b>	
Response Time	<1 ns
<b>INPUT</b>	
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
<b>OUTPUT</b>	
Output Receptacles	Network
Right-Angle Outlets	No
<b>POWER</b>	
Power Over Cable (PoC) Support	No
<b>CONNECTIONS</b>	
Number of Ports	2
Side A - Connector 1	RJ45 (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
Diagnostic LED(s)	No
<b>SURGE / NOISE SUPPRESSION</b>	
AC Suppression Joule Rating	0
Automatic Shut-Off	No
<b>DATALINE SURGE SUPPRESSION</b>	
Cable (Coax) Protection	No



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Network (Ethernet) Protection	Yes
Telephone/DSL Protection	No
<b>PHYSICAL</b>	
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).
<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%, Non-Condensing
ESD Protection	8k/15kV
EFT Protection	2kV
Lightning Protection	2kA (8/20μs), 6kV (8/20μs)
<b>COMMUNICATIONS</b>	
Signal Range (ft.)	330
Signal Range (m)	101
Network Compatibility	10 Gbps
<b>FEATURES &amp; SPECIFICATIONS</b>	
Rotatable Outlets	No
Antimicrobial	No



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10/100 Ethernet Extension Support	No
Mounting Accessory Included	Yes
Driver Required	No
Recommended Category Cable	Cat5e, Cat6, Cat6a, Cat8 Cables
DIN Mountable	Yes
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	IEC 61000
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

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