

In-Line DisplayPort Surge Protector - 4K 60 Hz, HDCP, IEC Compliant, TAA

MODEL NUMBER: B110-SP-DP



Protects displays and other DisplayPort (DP) equipment from damage caused by power surges and electrostatic discharge (ESD).

Features

In-Line Surge Protector Keeps Your DisplayPort (DP) Source or Display Safe

Ideal for trade shows, convention halls, home theaters and other digital signage applications, the B110-SP-DP protects connected equipment from damage caused by power surges and electrostatic discharge (ESD). Just connect it between your source and display using DP cables (such as P580-003 Series cables, sold separately) up to 15 feet (4.6 meters) long. **Note:** Two B110-SP-DP surge protectors are required to protect both source and display.

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. Low TDMS (Transition Minimized Differential Signaling) loss ensures you get the crispest and cleanest image on your display without any interference, including static lines. The B110-SP-DP meets the following IEC regulations: IEC 61000-4-2 (ESD) +/- 15kV (air), +/- 8kV (contact); IEC 61000-4-4 (EFT) +/- 2KV (5KHz/100KHz); and IEC 61000-4-5 lightning standard (+/- 1KV 1, 2/50 8/20s).

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

The B110-SP-DP supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz. It is a passive design and requires no software or external power supply. The compact housing is designed to endure in applications where static discharge is likely to occur. This surge protector supports all DP specifications and capabilities.

TAA-Compliant for GSA Schedule Purchases

The B110-SP-DP 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 DP source and display using standard DP cabling
Rapid reaction time under 1 ns helps prevent damage from power surges
Supports UHD resolutions up to 4K @ 60 Hz for heightened video quality
Plug-and-play operation with no software required for easy, immediate installation
Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- Source with DisplayPort output (media server, laptop, cable/satellite box, gaming console)
- Display with DisplayPort input (HDTV, monitor, projector)

Package Includes

- B110-SP-DP In-Line DisplayPort Surge Protector
- Grounding wire, 1 ft. (0.3 m)
- Grounding wire screw
- Installation Instructions

Specifications

OVERVIEW

UPC Code

037332295187



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TRIPP LITE
SERIES

Product Type	In-Line Surge Protector
Accessory Type	Surge Protector
Technology	DisplayPort
Accessory Class	Audio Video Accessories
VIDEO	
Max Supported Video Resolution	4K 60HZ
Max. Distance (Between any 2 Units)	15 ft.
Max Number of Ports (Entire Chain)	1
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
INPUT	
Input Cord Length (ft.)	1
Right-Angle Plug	No
Input Cord Length (m)	0.30
Bus Powered	No
Product Length (in.)	1.83
Product Length (cm.)	4.65
Product Length (ft.)	0.15
Product Length (m)	0.05
OUTPUT	
Output Receptacles	DisplayPort
Right-Angle Outlets	No
POWER	
Power Over Cable (PoC) Support	No
CONNECTIONS	
Number of Ports	1
Side A - Connector 1	(1) DISPLAYPORT (FEMALE)
Side B - Connector 1	(1) DISPLAYPORT (MALE)
Connector Plating	Gold
Connector Material	Zinc Alloy
USER INTERFACE, ALERTS & CONTROLS	



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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	No
Telephone/DSL Protection	No
PHYSICAL	
Color	Black
Material of Construction	ABS
Housing Color	Black
Rackmountable	No
Shipping Dimensions (hwd / in.)	1.30 x 6.10 x 4.80
Shipping Dimensions (hwd / cm)	3.30 x 15.49 x 12.19
Shipping Weight (lbs.)	0.17
Shipping Weight (kg)	0.08
Unit Dimensions (hwd / in.)	1.830 x 0.880 x 0.610
Unit Dimensions (hwd / cm)	1.55 x 2.24 x 4.65
Unit Dimensions (hwd / mm)	15.5 x 22.4 x 46.5
Unit Packaging Type	Box
Unit Weight (lbs.)	0.11
Unit Weight (kg)	0.05
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% RH, Non-Condensing
ESD Protection	+/-15kV (AIR); +/-8kV (CONTACT)
EFT Protection	+/- 2kV (5 kHz/100kHz)
Lightning Protection	1kV 1,2/50 (8/20s)
COMMUNICATIONS	
Signal Range (ft.)	15



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Signal Range (m)	5
EDID Compatible	No
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	No
FEATURES & SPECIFICATIONS	
Rotatable Outlets	No
Antimicrobial	No
Grounding	Includes 1 ft. (0.3 m) grounding wire and screw
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	No
Multi-Resolution Support	No
Displayport Specification	1.2
HDCP Specification	2.2
Driver Required	No
DIN Mountable	No
STANDARDS & COMPLIANCE	
Product Certifications	EN 55032; EN 55035; ICES (Canada); IEC 61000
Product Compliance	FCC Part 15 Class B (USA); RoHS; Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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