

Quick Start Guide

In-Line Network Surge Protector, 10 Gbps, Cat6a

Model: B110-SP-10G

Este manual está disponible en español en la página de Tripp Lite:
tripplite.com

Ce manuel est disponible en français sur le site Web de Tripp Lite :
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WARRANTY REGISTRATION

Register your product today and be
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Package Includes

- B110-SP-10G 10 Gbps In-Line Network Surge Protector
- Grounding Wire
- Mounting Screws (x4)
- Screw Anchors (x4)
- Grounding Wire Screw
- Quick Start Guide

Product Features

- Protects your network equipment's inputs and outputs against electro-static discharge (ESD), power surges and cable discharge events
- Meets the following IEC regulations:
 - IEC 61000-4-2: Indirect discharge (4kV), direct discharge (8kV)
 - IEC 61000-4-5 (Lightning) 2kA (8/20 μ s), 1kV (8/20 μ s)
- Easy to connect between network source and device using standard Cat5/5e/6/6a/8 cabling
- Rapid reaction time under 1 ns helps prevent damage from lightning/power surges
- Supports Ethernet network data transmission speeds up to 10 Gbps
- Plug-and-play operation with no software required for easy, immediate installation
- Supports distance between the B110-SP-10G and equipment up to 330 ft. (100 m)
- Compliant with the Federal Trade Agreements Act (TAA) for GSA (General Services Administration) Schedule and other federal procurement contracts

Installation

Note: The following instructions assume that two network devices are currently connected together.

Single Device Protection:

1. Disconnect the installed patch cable from the device you wish to protect and attach it to the “Cable End” of the In-Line 10G Network Surge Protector.
2. With a user-supplied Cat5/5e/6/6a/8 patch cable, connect the device to be protected to the “Equipment End” of the In-Line 10G Network Surge Protector.

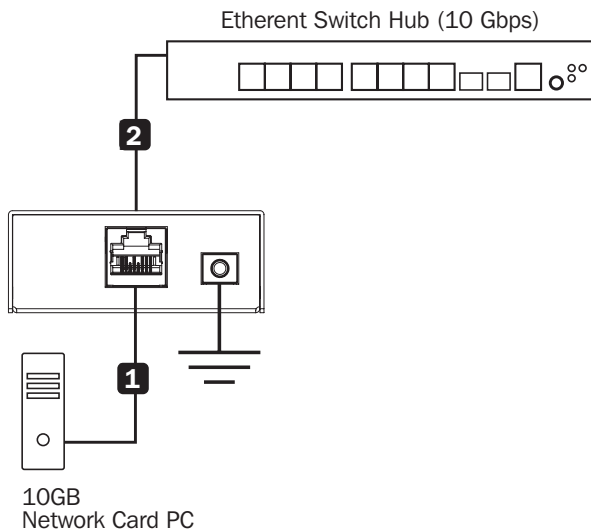
Note: For best protection performance, the patch cable between the “Equipment End” on the B110-SP-10G and the equipment to be protected should not exceed 330 ft. (100 m). Tripp Lite's N261-Series Cat6a Snagless Patch Cables are recommended.

3. Connect the ground wire to the In-Line 10G Network Surge Protector and then to earth ground.

Installation

B110-SP-10G

- 1** Up to 15 ft. (5 m) Cat6a cable
- 2** Up to 330 ft. (100 m) Cat6a cable



Installation

Multiple Device Protection:

Note: The maximum distance between any two In-Line 10G Network Surge Protectors is 240 ft. (73 m).

1. Disconnect the installed patch cables from both of the devices you wish to protect.
2. Connect a B110-SP-10G to each end of the previously uninstalled patch cable, ensuring both ends of the patch cable are connected to the “Cable End.”
3. With user-supplied Cat5/5e/6/6a/8 patch cables, connect the “Equipment End” of each Surge Protector to the network devices you wish to protect.

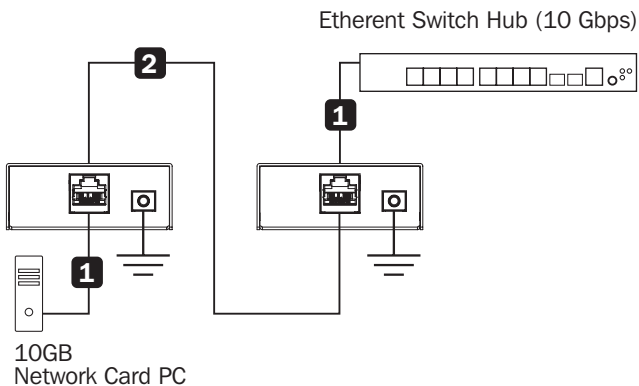
Note: For best protection performance, the Cat5/5e/6/6a/8 patch cable between the “Equipment End” of the B110-SP-10G and the network equipment to be protected should not exceed 240 ft. (73 m). Tripp Lite’s N261-Series Cat6a Snagless Patch Cables are recommended.

4. Connect the ground wire to each In-Line 10G Network Surge Protector and then to earth ground.

Installation

B110-SP-10G

- 1** Up to 15 ft. (5 m) Cat6a cable
 - 2** Up to 240 ft. (73 m) Cat6a cable
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Specifications

Input / Output Connectors	RJ45 (Female)
ESD Protection	15kV (Air), 8kV (Contact)
Lightning Protection	2kA (8/20 μ s) / 6kV (8/20 μ s)
Lightning Protection Reaction Speed	<1 ns
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
Bandwidth (Data Rate)	Up to 10 Gbps
Return Loss (100 Ω)	16 dB
Dimensions	2.63 x 3.43 x 1.06 inches / 67 x 87 x 27 mm
Weight	0.28 lb. / 127 g

Warranty and Product Registration

2-Year Limited Warranty

Tripp Lite warrants its products to be free from defects in materials and workmanship for a period of two (2) years from the date of initial purchase. Tripp Lite's obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. To obtain service under this warranty, you must obtain a Returned Material Authorization (RMA) number from Tripp Lite or an authorized Tripp Lite service center. Products must be returned to Tripp Lite or an authorized Tripp Lite service center with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment, which has been damaged by accident, negligence or misapplication or has been altered or modified in any way.

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Product Registration

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Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended.

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