# In-Line Network Surge Protector - HDBaseT/10Gbps, Cat5e/6, Metal Case, IEC Compliant, TAA

MODEL NUMBER: **B110-SP-CAT**










Use in your HDBaseT or 10G network to protect network equipment from surges, ESD and cable discharge events.

## 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-CAT protects connected network equipment from damage caused by electrostatic discharge (ESD) and cable discharge events. Just connect it between your source and network device using Cat5/5e/6 cables, such as N001-Series snagless patch cables (sold separately). ***Note**: two B110-SP-CAT surge protectors are required to protect both source and 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-CAT meets the following IEC regulations: IEC 61000-4-2 (ESD) +/- 15kV (Air), +/- 8kV (Contact) and IEC 61000-4-5 2kA (8/20µs), 6kV (8/20µs).

**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 and 4K resolutions up to 3840 x 2160 at 60 Hz (HDBaseT) 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. Mounting hardware is included for convenient installation where needed. Be sure the distance between the B110-SP-CAT and the equipment it is protecting is no more than 300 feet.

**TAA-Compliant for GSA Schedule Purchases**
The B110-SP-CAT 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 cabling
- Rapid reaction time under 1 ns helps prevent damage from power surges
- Supports Ethernet network data transmission speeds up to 10 Gbps
- Plug-and-play operation with no software required for easy, immediate installation
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Applications

Protect an HDBaseT Cat5e/6 network device's inputs and outputs against damage from electrostatic discharge or power surge

## Package Includes

- B110-SP-CAT In-Line HDBaseT / 10G Cat5e/6 Network Surge Protector
- Grounding wire, 1 ft.
- (4) Mounting screws
- (4) Screw anchors
- Grounding wire screw
- Quick Start Guide

# Specifications

| OVERVIEW | |
|---|---|
| UPC Code | 037332217882 |

| | |
|---|---|
| Product Type | In-Line Surge Protector |
| Accessory Type | Surge Protector |
| Technology | Cat5/5e; Cat6 |
| Accessory Class | Audio Video Accessories |
| **VIDEO** | |
| Max Supported Video Resolution | 4K x 2K @60Hz (HDBaseT) |
| **INPUT** | |
| Nominal Input Voltage(s) Supported | 120V AC |
| Input Plug Type | RJ45 |
| Input Cord Length (ft.) | 0 |
| Right-Angle Plug | No |
| Input Cord Length (m) | 0.00 |
| **OUTPUT** | |
| Output Receptacles | Network |
| Right-Angle Outlets | No |
| **CONNECTIONS** | |
| 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 | Aluminium |
| Housing Color | Black |

| | |
|---|---|
| Rackmountable | Yes |
| Shipping Dimensions (hwd / in.) | 4.53 x 1.54 x 4.25 |
| Shipping Dimensions (hwd / cm) | 11.51 x 3.91 x 10.80 |
| Shipping Weight (lbs.) | 0.36 |
| Shipping Weight (kg) | 0.17 |
| Unit Dimensions (hwd / in.) | 2.630 x 3.430 x 1.060 |
| Unit Dimensions (hwd / cm) | 67 x 87 x 27 |
| Unit Packaging Type | Box |
| Unit Weight (lbs.) | 0.28 |
| Unit Weight (kg) | 0.13 |
| **ENVIRONMENTAL** | |
| Operating Temperature Range | 14° to 167°F (10° to 75°C) |
| Storage Temperature Range | -40° to 194°F (-40° to 90°C) |
| Relative Humidity | 0% to 95% RH, Non-Condensing |
| ESD Protection | 15kV (Air), 8kV (Contact) |
| Lightning Protection | 2kA (8/20s), 6kV (8/20s) |
| **COMMUNICATIONS** | |
| Network Compatibility | 10 Gbps |
| Insertion Loss | <0.2 dB |
| **FEATURES & SPECIFICATIONS** | |
| Rotatable Outlets | No |
| Antimicrobial | No |
| IP68 Rated | No |
| IP20 Rated | No |
| Driver Required | No |
| Recommended Category Cable | Cat5e/6 Cables |
| **STANDARDS & COMPLIANCE** | |
| 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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