



## In-Line Surge Protector, 1000BASE-T (RJ-45 8-Wire)

# Get convenient in-line surge protection for your Gigabit RJ-45 connections.

Put avalanche diode and thyristor protection where you need it.



### Specifications

**Application:** 10/100/1000BASE-T (CAT5, CAT5e and CAT6)

**Ground Wire:** Yes

**Maximum Shunt Capacitance:** <8 pF

**Peak Pulse Current:** 100 amps

**Pins Protected:** All

**Protection Type:** Avalanche diode and thyristor technology

**Response Time:** <5 ns

**Standard Clamping Voltage:** 7.5 volts

**Connectors:** (2) RJ-45 F

**RoHS:** Yes

### Overview

This In-Line Surge Protector guards sensitive data networks against lightning-induced surges, AC power interference, electrostatic discharge, and ground loop energies.

### What's included

- Gigabit In-Line Surge Protector
- CAT6 patch cable
- Specification sheet

For installation instructions, turn this page over...

### Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)  
 FREE technical support 24 hours a day, 7 days a week: Call 877-877-2269 or fax 724-746-0746  
 Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018  
 Web site: [www.blackbox.com](http://www.blackbox.com) • E-mail: [info@blackbox.com](mailto:info@blackbox.com)

## Installation Steps

1. Disconnect the CAT5/CAT5e/CAT6 line from the equipment you wish to protect.
2. If the equipment you wish to protect is metal, plug the surge protector into the unit and attach the ground wire to the unit's chassis. If the unit is plastic, connect the ground wire to the electrical outlet ground for the unit.
3. Connect the network-side CAT5/CAT5e/CAT6 cable to the surge protector and connect the patch cable included with the surge protector between the surge protector and the equipment you are protecting.



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