



## SP-RJ45-10G HDBaseT & 10G Network Surge Protector



Cable End View



Equipment End View

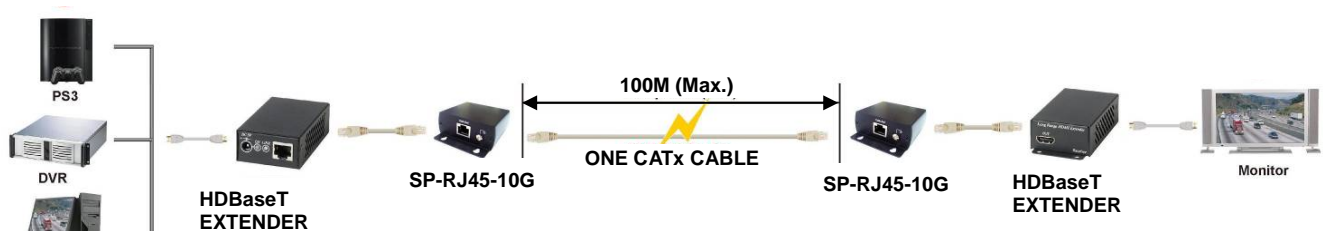
The SP-RJ45-10G is an in-line RJ45 Ethernet surge protector. It installs on a CAT5e/6/6a/7 (CATx) 4 twisted-pair cable. The SP-RJ45-10G uses special diodes and gas discharge modules for high performance lightning protection. The 10Gbps RJ45 Ethernet Surge Protector protects equipment from high voltage surges. The SP-RJ45-10G is designed to protect high data rate network equipment, such as HDBase-T CATx extenders or network computer equipment.

### Features:

- Protects equipment from high voltage surges from nearby lightning strikes.
- Special design to protect high data rate network equipment, especially on HDBaseT CAT5e extenders or any computer equipment working with a network.
- Supports data rates up to 10Gb/s
- Built-in ESD (electrostatic discharge) protection and close by lightning strike protection.
- Compliant with IEC61000-4-2, IEC61000-4-5, IEC1000-4-5.
- Four-pair protection for a wide range of applications: Any TCP/IP Devices, Network, switch hub, PC modem, server, CCTV SYSTEM, IP camera...etc

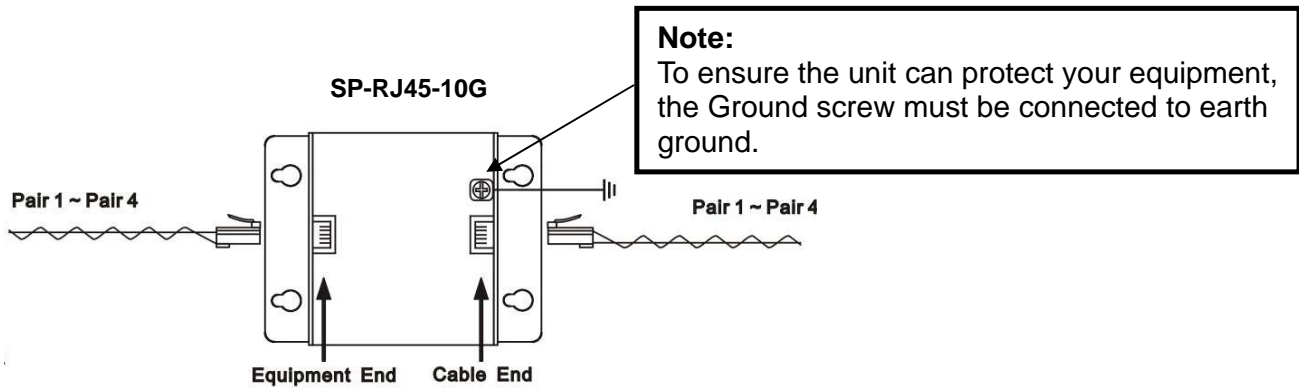
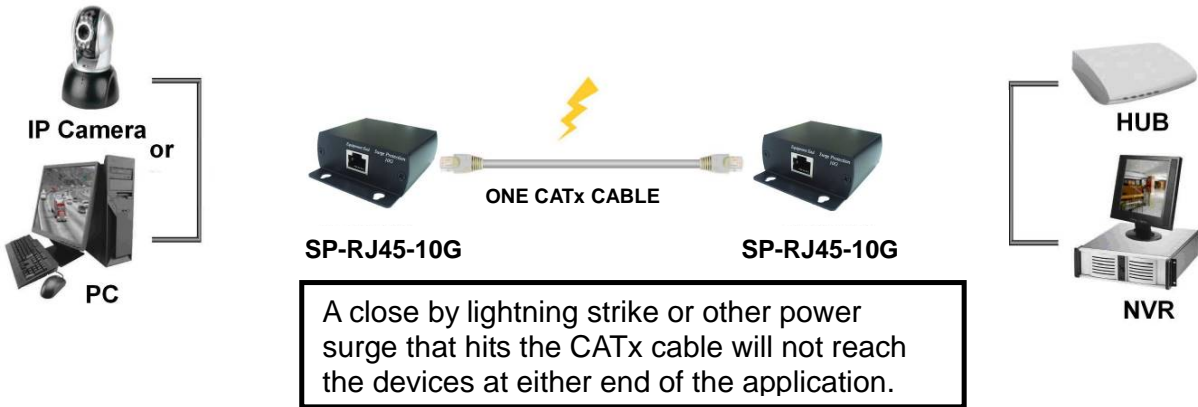
### Installation View:

### HDBaseT Application



A close by lightning strike or other power surge that hits the CATx cable will not reach the devices at either end of the application.

## 10G Application



## Specifications

Item No.	SP-RJ45-10G
Input Interface	RJ45
Output Interface	RJ45
Response time	<1 ns
ESD protection	15KV(Air),8 KV (Contact) IEC 61000-4-2 compliant
Lightning protection	2KA (8/20μs)/6KV(8/20μs) IEC 61000-4-5 compliant
Bandwidth (Data rate)	Up to 10Gb/s (Max)
Insertion Loss	Less than 0.2 dB
Return Loss (100 ohms)	16dB
Temperature	Operation: -10 to 75°C, Storage: -40 TO 90°C, Humidity: up to 95%
Dimensions WxDxH	67x87x27 mm
Weight	126g

RoHS CE FC

VPI MAN365 REV 1/9/20