

Indoor 2-Port 10/100/1000 Base-T Gas Tube CAT6 Lightning and Surge Protector Model: CMSP-CAT6T-2

Applications

- 10/100/1000 Base-T Gigabit Ethernet Equipment
- Wireless Access Points & Bridges
- Wireless Client Adapters
- CCTV IP Cameras with PoE

Features

- CAT5, CAT5e and CAT6 compatibility
- Reliable differential gas tube protection
- PoE compatible
- Protects up to 2 Ethernet lines
- Field replaceable modules



Description

The CMSP-CAT6T-2 lightning and surge protector provides superior lightning and surge protection for up to two lines with improved frequency response for indoor 10/100/1000 Ethernet networks. The unit has low line to line and line to ground capacitance to minimize distortion of high-speed signals. This design provides protection for both common and differential mode surges. The CMSP-CAT6T-2 utilizes gas discharge tubes on each pair for superior power handling capability.



This protector is compatible with 802.3af/at Power-over-Ethernet (PoE) devices. It supports both PoE modes A and B for power.

The CMSP-CAT6T-2 features four shielded RJ-45 jacks for ease of installation. The rugged aluminum chassis can be wall or shelf mounted. Mounting holes are provided on the unit.

Specifications

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ45 Jack
Clamping Voltage	Line – Ground: 90 Volts Line – Line: 90 Volts
Data Line Impedance	100 Ohms Balanced
CAT6 Data Lines	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6 Pair 3: Pins 4 and 5 Pair 4: Pins 7 and 8
PoE Mode Support	Mode A and B for power

Mechanical Specifications

Chassis Material	Aluminum
Ground Lug	10 AWG Max.
Operating Temperature	-40°C to +80°C (-40°F to +176°F)
Weight	0.3 lbs (0.13kg)
Dimensions	4.2 x 3.1 x 1.25 in (106.7 x 79 x 31.8mm)
RoHS Compliant	Yes

Circuit Schematic

