

## 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

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

**Mechanical Specifications**

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

**Circuit Schematic**

