

## Indoor CAT6 Multi Channel Surge Protection for 10/100/1000 Base-T Ethernet Equipment - Model: CMSP-CAT6-4

### Applications

- 10/100/1000 Base-T Ethernet Equipment
- Wireless Access Points & Bridges
- Network Appliances and Switches
- CCTV IP Cameras

### Features

- Protects 4 Ethernet lines
- 802.3af PoE compatible
- Supports shielded CAT5 cable
- Field replaceable modules



### Description

The CMSP-CAT6-4 Surge Protector provides surge protection for up to four Ethernet lines using 10/100/1000 data rates. The use of ultra-low capacitance diodes ensures superior high frequency response and improved return loss for the four data pairs on each line under surge protection. The unit is 802.3af Power over Ethernet, Power-over-Ethernet (PoE) compatible for normal or reverse polarity systems.



The rugged aluminum chassis can be wall or shelf mounted. Mounting holes are provided on the unit. The individual protector modules are field replaceable.

### Specifications

#### Electrical Specifications

<b>Ethernet Shielded Connectors</b>	4 circuits of (2) RJ45 Jack Pairs
<b>Clamping Voltage Per Jack Pair</b>	Line – Ground: 65 Volts Line – Line: 65 Volts
<b>Data Line Impedance Per Jack Pair</b>	100 Ohms Balanced
<b>CAT6 Data Lines Per Jack Pair</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

**Mechanical Specifications**

<b>Chassis Material</b>	Aluminum
<b>Operating Temperature</b>	-40 C (-40 F) to +80 C (+176 F)
<b>Weight</b>	2.5 lbs (1.2kg)
<b>Dimensions (H x W x D)</b>	3.1 x 7.0 x 1.2 (inches) 79 x 177.8 x 31.8 (mm)
<b>RoHS Compliant</b>	Yes

**Simplified Circuit Schematic**

