

## L-Com Wireless Brand Indoor DIN 3 Rail Mount 10/100/1000 Base-T Shielded CAT6 Lightning Surge Protector - Model: HGLND-CAT6J

### Applications

- IP cameras with PoE
- Wireless access points, bridges and client adapters
- Gigabit network appliances
- Wired PoE switches
- 10/100/1000 Base-T networks

### Features

- DIN 3 rail mountable
- CAT5, CAT5e and CAT6 compatibility
- 802.3af/at Power-Over-Ethernet (PoE) compatible
- Industrial grade cast aluminum construction with shielded RJ-45 jacks



### Description

The HGLND-CAT6J shielded DIN mountable indoor lightning protector provides superior lightning and surge protection with improved frequency response for indoor 10/100/1000 Ethernet networks. The use of ultra-low capacitance semiconductor protection arrays provides superior high frequency response and improved return loss for the four data pairs. The unit has low line to line and line to ground capacitance to minimize distortion of high-speed signals. The design provides protection for both common and differential mode surges.

The HGLND-CAT6J is compatible with 802.3af Power-over-Ethernet (PoE) devices. It supports PoE mode A and B for power as well as supporting normal and reverse polarity PoE used in some Cisco Access Points. The HGLND-CAT6J is compatible with wireless Access Points, Bridges, Client Adapters and Network Appliances with or without Power-over-Ethernet (PoE) functionality.

### EMI Noise Suppression

The HGLND-CAT6J features shielded RJ45 jacks. This along with the metal housing helps reduce the effects of EMI interference. Additional features include a ground lug and terminal is provided directly on the lightning protector housing providing superior grounding. For maximum protection from lightning on long cable runs, two HGLND-CAT6J protectors can be used, one at each end of the cable.

This unit can be mounted to a DIN 3 rail using the DIN mounting clip located on the rear of the unit.



**Specifications**

**Electrical Specifications**

<b>Ethernet Connectors</b>	(2) Shielded RJ45 Jack
<b>Clamping Voltage</b>	65 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

**Mechanical Specifications**

<b>Enclosure Material</b>	Cast Aluminum
<b>DIN Mounting Clip</b>	DIN 3 Rail
<b>Ground Lug</b>	12 AWG Max.
<b>Operating Temperature</b>	-40 C (-40 F) to +80 C (+176 F)
<b>Weight</b>	.28 lbs. (.13 kg)
<b>Dimensions (WxHxL)</b>	3.6 x 1.4 x 1.2 (inches) 91.4 x 35.5 x 38.1 (mm)
<b>RoHS Compliant</b>	Yes

