

## HyperLink Wireless Brand Indoor DIN 3 Rail Mount High Power 10/100 Base-T Shielded CAT5 Lightning Surge Protector - Model: HGLND-CAT5-HP

### Applications

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- IP, network or web cameras
- 10/100 Base-T networks
- VoIP telephone
- Wireless access points, servers and routers

### Features

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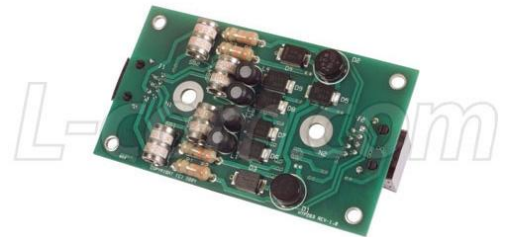
- DIN 3 rail mountable
- 10/100 Base-T CAT5 protection
- Three stage protection & failsafe architecture
- Supports PoE mode B for power
- Industrial grade cast aluminum construction with shielded RJ-45 jacks



### Description

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The HGLND-CAT5-HP DIN mountable 3-stage lightning protector provides superior lightning and surge protection for indoor and outdoor 10/100 Base-T Ethernet networks. Also compatible with Power-over-Ethernet (PoE) devices, this unit provides protection to both Ethernet data pairs as well as the PoE DC power feed. This protector is compatible with any variation of PoE including 802.3af and proprietary systems from Airspan, Alvarion and Tranzeo. Also it will work with systems without PoE.



In the data path, the first stage is comprised of a differential gas discharge tube. Stage two is a pair of current limiting series resistors and the final stage is a high speed, low capacitance diode clamp array. In the power path, the first stage is comprised of a differential gas discharge tube. Stage two is a pair of filter inductors and the final stage is a pair of bi-directional clamping diodes.

### EMI Noise Suppression

The HGLND-CAT5-HP features shielded RJ45 jacks. This along with the metal housing helps reduce the effects of EMI interference. A ground lug and terminal is provided directly on the lightning protector housing, providing superior grounding. A second ground and terminal is provided for strapping multiple units together.

This lightning surge protector is compatible with Cisco legacy network appliance products like Access Points, DC Injectors and other equipment supporting reverse polarity PoE pinouts.

**DIN 3 Rail Mountable**

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



**Failsafe Architecture**

The Advantage of the HGLND-CAT5-HP three stage surge protector design is the added level of protection due to its large power rating and safety due to its failsafe architecture. In the event of a catastrophic surge event, the series resistors will fuse and the shunt diodes will short. This will safely disconnect the line from the datacom equipment.

For maximum protection from lightning on long cable runs, two HGLND-CAT5-HP's can be used -one at each end of the cable. Most PoE capable equipment is not protected from surges on its CAT5 cable.

**Specifications**

**Mechanical Specifications**

<b>Enclosure Material</b>	Cast Aluminum
<b>Grounding Lug</b>	(2) 12 AWG Max.
<b>DIN Mounting Clip</b>	DIN 3 Rail
<b>Operating Temperature</b>	-40 C (-40 F) to +80 C (+176 F)
<b>Weight</b>	.38 lbs. (.17 kg)
<b>Dimensions (WxHxL)</b>	4.5 x 2.5 x 1.5 (inches) 114.3 x 63.5 x 38.1 (mm)
<b>RoHS Compliant</b>	Yes

**Electrical Specifications**

<b>Ethernet Connectors</b>	(2) Shielded RJ45 Jack
<b>Data Lines</b>	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6
<b>Data Clamping Voltage</b>	+/- 58 Volts
<b>Spare pins/PoE Power</b>	Pin 4 Pin 5 Pin 7 Pin 8
<b>Spare pins/PoE Clamping Voltage</b>	+/- 58 Volts
<b>PoE Mode Support</b>	Mode B using spare pins

**HGLND-CAT5-HP**

