

## HyperLink brand Indoor 10/100/1000 Base-T High Power CAT6 Lightning Surge Protector

### Applications

- 10/100/1000 Base-T Ethernet Equipment
- Intra-building Cable Runs
- Wireless Access Points & Bridges
- Wireless Client Adapters
- IP Cameras

### Features

- CAT6, CAT5e and CAT5 compatibility
- GR-1089 Intra-Building rated
- Cable shield isolated from safety ground
- Power-Over-Ethernet (PoE) compatible
- All lines protected

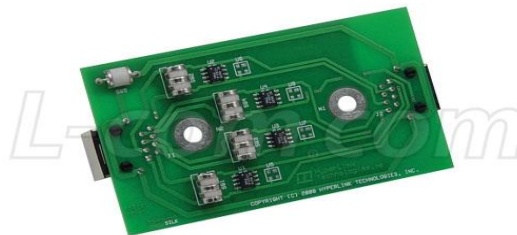


Model HGLN-CAT6-HP

### Description

The HyperLink HGLN-CAT6-HP Lightning Protector provides superior lightning and surge protection for indoor 10/100/1000 Base-T Ethernet networks. 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 HGLN-CAT6-HP has been designed to meet the GR-1089 Intra-Building surge protection requirements for 10/100/1000 Base-T Ethernet lines. In addition, the unit is compatible with 802.3af Power-over-Ethernet (PoE) devices. This device supports PoE mode A and B for power. The HGLN-CAT6-HP isolates the cable shield from the metal enclosure and the safety ground. This minimizes the chance of a ground loop being introduced.

The HGLN-CAT6-HP features shielded RJ45 jacks with isolation from the metal housing and safety ground. This minimizes the chance for ground loops when using shielded cable. The unit's metal housing helps shield the effects of EMI interference and reduce signal radiation. 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. For maximum protection from lightning on long cable runs, two HGLN-CAT6-HP's can be used - one at each end of the cable.



**Specifications**

**Electrical Specifications**

|                            |  |
|----------------------------|--|
| <b>Ethernet Connectors</b> | (2) Shielded RJ45 Jacks  |
| <b>Clamping Voltage</b>    | Wire – Wire: 15 Volts<br>Wire – Ground: 90 Volts<br>Shield – Ground: 90 Volts                |
| <b>CAT6 Data Lines</b>     | Pair 1: Pins 1 and 2<br>Pair 2: Pins 3 and 6<br>Pair 3: Pins 4 and 5<br>Pair 4: Pins 7 and 8 |
| <b>PoE Mode Support</b>    | Mode A and B   |

**Mechanical Specifications**

|                              |  |
|------------------------------|--|
| <b>Enclosure Material</b>    | Cast Aluminum  |
| <b>Ground Lugs</b>           | (2) 12 AWG Max.                                      |
| <b>Operating Temperature</b> | -40 C (-40 F) to +80 C (+176 F)                      |
| <b>Weight</b>                | .40 lb. (.18 kg)                                     |
| <b>Dimensions (WxHxL)</b>    | 4.5 x 2.5 x 1.5 (inches)<br>114.3 x 63.5 x 38.1 (mm) |
| <b>RoHS Compliant</b>        | Yes  |

