

LP-2515 Single Port Power Over Ethernet (PoE) Midspan Injector

- Output up to **15.4 Watts** PoE Power continuously
- **GIGABIT** data throughput
- Compliant to **IEEE 802.3af** PoE Standards



AC Power Cord included

Functions and Features

The LAN Power model **LP-2515** Single Port PoE Midspan Injector supports powering IP 'PoE Enabled' End Devices. The Single Port PoE Midspan Injector provides up to 15.4 Watts continuously at 56 VDC to paired wires in a standard Category 5, 5e, 6, 6a Ethernet cable. The **LP-2515** delivers both data and power over a single standard Ethernet cable to an IP 'PoE' enabled End Device designed to receive both Power and Data through it's RJ45 connection. The second RJ45 on the **LP-2515** passes incoming data from the IP End Device to a Router or Ethernet Switch (up to 1000Mbps/Gigabit). The maximum cable distance between the Router or Ethernet Switch to the IP End Device is 100 meters/328 feet and the **LP-2515** is between these two devices.

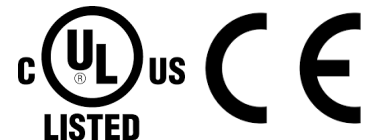
Key features of the **LP-2515** Single Port Midspan Injector include:

- Output power is up to **15.4 Watts** continuously
- Compliant to the **IEEE 802.3af** PoE Standards
- Power and Data carried on the same single ethernet cable
- Supports Data of 10/100Mbps or 10/100/1000Mbps **GIGABIT capable**
- **Surge Protection** with **Over Voltage** and **Current Protection** (Protects the Ethernet Switch)
- **Multi-Color LED** shows unit status

- The **LP-2515** is a compact design and is supplied with an AC Mains Power Cord
- For use with **ANY IEEE 802.3af Compliant 'PoE' Enabled Device** such as:
 - IP Surveillance Cameras
 - IP/VOIP Telephones
 - Wireless LAN Access Points
 - Emerging PoE Products
- Full **2 Year Product Warranty**

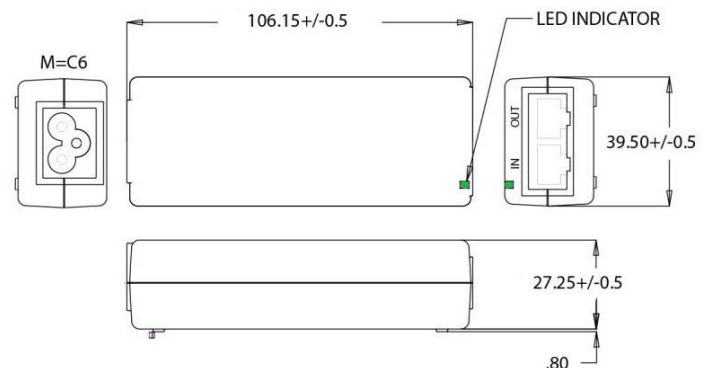
Safety Approvals

- cUL/UL 60950-2
- CE
- IEC/EN 60950-2
- LPS



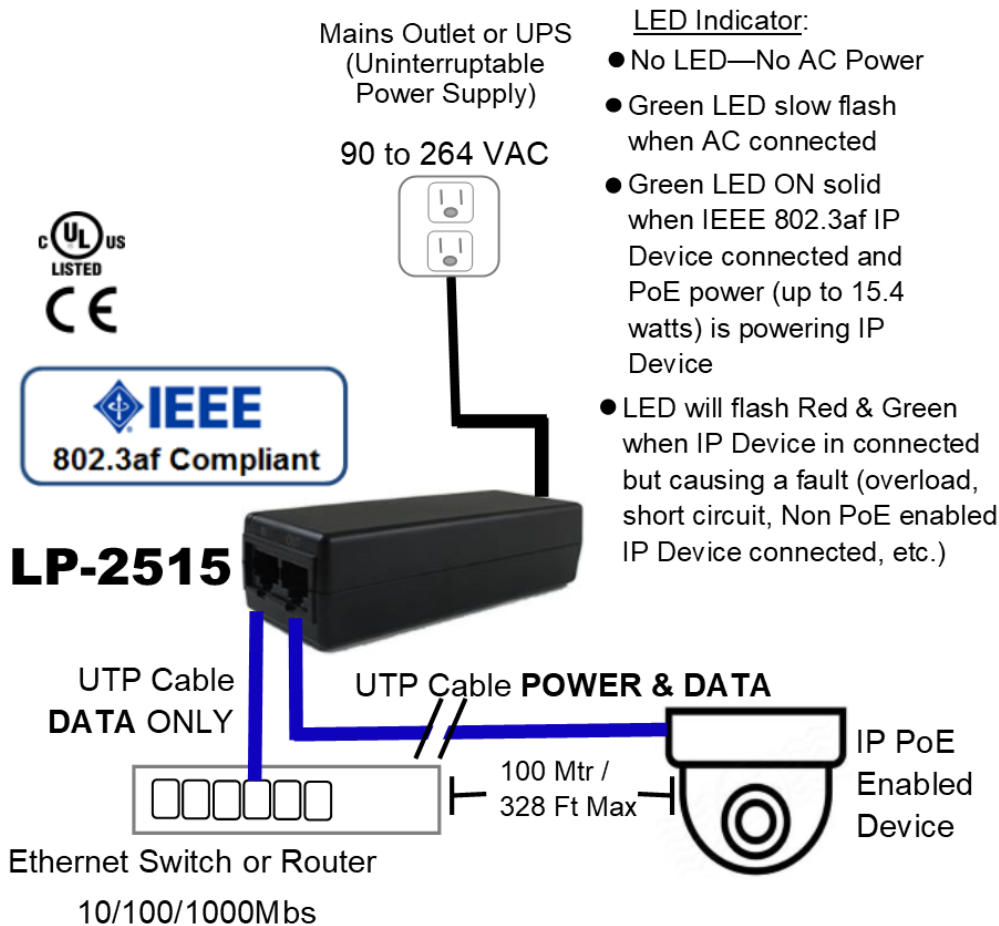
Unit Dimensions

- Length: 4.17' (106mm)
- Width: 1.57' (40mm)
- Height: 1.1' (27mm)
- Weight: 3.5oz (100g)



LAN-POWER

APPLICATION OVERVIEW DIAGRAM



Ordering Information

LP-2515 Single Port PoE Midspan Injector—up to 15.4 Watts—IEEE 802.3af compliant-GIGABIT

Environmental Specifications

Operating Temperature: -4° to 122° F/-20° to 50° C

Storage Temperature: -13° to 158° F/-25° to 70° C

Relative Humidity: 5% to 90% noncondensing

Ethernet Data Throughput Speeds

10 Mbs Ethernet or 100 Mbs or 1000Mbps (Gigabit)
Fast Ethernet supported

Connector Type

Non-Shielded RJ-45 meets EIA 568A and 568B
Connection Standards

EMC

Complies with FCC Part 15 Class B

Complies with EN55032 Class B

Over Voltage/Current, Short Circuit Protection

The output is equipped with short circuit protection and overload protection as per IEEE802.3af specifications and conforms to UL60950-2. The output can be shorted permanently without damage.

Electrical Specifications and Properties

AC Power Input

Voltage Range: 90 - 264

VAC Voltage Rating: 100 - 240VAC

Frequency Range: 47 - 63Hz

Input Current: 0.8A (rms) maximum for 90VAC 0.5A (rms) maximum for 240VAC

Leakage Current: 0.25mA maximum @254VAC 60Hz

DC Power Output

PoE Protocol:

IEEE 802.3af Power on Data Pins: 3 & 6 (+), 1 & 2 (-)

Output Voltage: 56VDC

Max. Power on Port: 15.4W (IEEE 802.3af PoE Standard)

Load: 0A (Min.) 0.275A (Max.)

Regulation (Line/Load): ± 4%

Ripple and Regulation: 100mV maximum

Efficiency: 75% typical at maximum load and 120VAC, 60Hz

Hold-up Time: 16mS minimum at maximum load and 120VAC, 60Hz

Transient O/P Voltage Protection: 60V maximum at switch on/off at any AC line phase