

LP-2575 Power over Ethernet (PoE) Single Port ULTRA 'High Power/PoE Plus' Midspan Injector

- Output up to 75 Watts PoE Power continuously
- Compliant to and exceeds both  **IEEE 802.3af** and  **IEEE 802.3at** 'High Power/PoE Plus' Standards



IEEE 802.3af and IEEE 802.3at
'HIGH POWER/PoE PLUS'
 Compliant

Functions and Features

The LAN Power Model **LP-2575** Single Port ULTRA High Power/PoE Plus Midspan Injector supports powering IP End Devices. The Single Port ULTRA High Power/PoE Plus Midspan Injector adds up to 75 watts continuously at ~56 VDC to all four (4) pairs in a standard Category 5, 5e, or 6 Ethernet cable. The LP-2575 delivers both data and power over a single standard Ethernet cable to a PoE enabled End device designed to receive both Data and Power through its RJ45 connector. The second RJ45 passes data only through to Ethernet Switch (up to 1000Mbps). The maximum cable distance from Ethernet Switch to end IP Device is 328 feet/100 meters.

Key Features of the Single Port ULTRA High Power/PoE Plus Midspan Injector include:

- Output Wattage is up to **75 Watts** continuously with correct detection
- Compliant to and exceeds **IEEE 802.3af** and **IEEE 802.3at 'High Power/PoE Plus'** Power over Ethernet Standards
- Supports Data links at 10Mbps, 100Mbps or 1000Mbps (Gigabit Compatible)
- Data and Power carried on same Ethernet cable
- Extended Temperature operating range
- LED indicators show powering status

- Surge Protection with over voltage current and short circuit protected (protects the Ethernet Switch)
- Wall mount capable and IEC320 inlet 3-pin Mains Power Cord included
- Use with LAN Power Compliant Devices including:
 - **LP-2334/LP-2354** Four Port PoE Switch/Extender (Internal & External)
 - **LP-4912POE** Dual Voltage Splitter
 - **LP-4900** Splitter 12/24vdc selectable
- Use with Emerging ULTRA High Power PoE enabled devices and all IEEE 802.3af and IEEE 802.3at 'High Power/PoE Plus' compliant Devices
- Full 2 Year Product Warranty

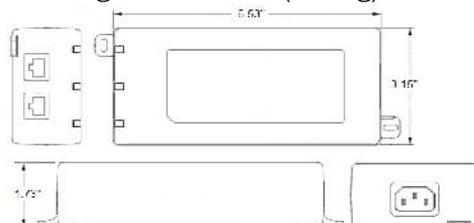
Safety Approvals

- FCC
- CE
- UL/cUL

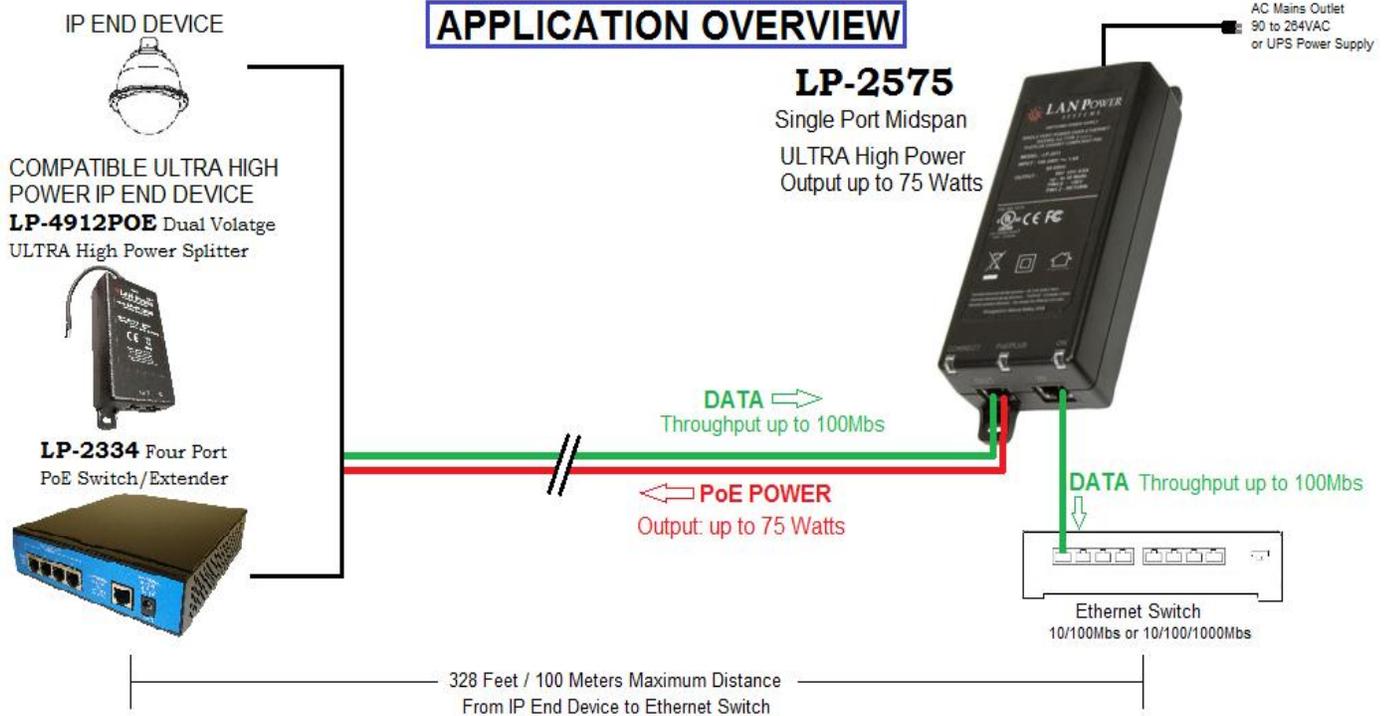


Unit Dimensions

- Length: 6 1/2" (166mm)
- Width: 3 1/8" (80mm)
- Height: 1 3/4" (44mm)
- Weight: 17.64 oz. (0.5 kg)



LAN-POWER



Ordering Info

Model **LP-2575** Single Port Injector ULTRA High Power/PoE Plus Midspan Injector

Environmental Specifications

Operating Temperature: -4° to 104°F / -20° to 40°C

Non-Operating Temperature: -4° to 150° F / -20° to 65° C

Humidity Operation: 5% to 90%

Ethernet Data Throughput Speeds

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

Connector Type

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

Electrical Specifications and Properties

AC Power Input

Power Cord type: Removable with IEC 320 3-pin connector on Single Port Injector end

Voltage Range: 90 - 264VAC autosensing

Voltage Rating: 100 - 240VAC

Frequency Range: 47 - 63Hz

Input Current:

2.0A (rms) maximum for 90VAC

1.2A (rms) maximum for 240VAC

Leakage Current:

3.5mA maximum @254VAC 60Hz

DC Power Output

Load: 10mA (Min.) 0.67A (Max.) per pair sets
Regulation (Line/Load): 54-57VDC under all conditions

Efficiency: 80% (typical) at Max. load, and 120VAC 60Hz, class 4

Hold-up Time: 10mS Max. load and 120VAC 60 Hz

PoE Protocol: IEEE 802.3af and 802.3at Standards

Output Voltage: +56VDC

Power on Data Pins: 4 & 5(+), 7 & 8(-) @0.67A (37.5 Watts) if 25kohm detected and 3 & 6(+), 1 & 2(-)

@0.67A (37.5 Watts) also if 12.5kohm detected

Max. Power on Port: 75 Watts @1.34A (exceeds PoE Standard)

LED Indicators

CONNECT Solid Green: ULTRA High Power IP End Device Detected (12.5kohm) and up to 75 Watts of PoE Power being supplied

CONNECT Flashing Green: IEEE802.3af or IEEE802.3at IP End Device Detected (25kohm) and up to 37.5 Watts of PoE Power being supplied

ON Solid Green: AC Power connected and PoE Output ready

Compatible ULTRA High Power IP End Devices:

LP-4912POE Dual Voltage ULTRA High Power Splitter (25.5 Watts PoE Power and 1.75A @12vdc)

LP-2334 Internal 4 Port PoE Switch/Extender

LP-2354 External 4 Port PoE Switch/Extender