LAN-POWER

LP-2124 Twenty-Four (24) Port Power over Ethernet (PoE) Midspan Injector

- Output up to 15.4 Watts PoE Power continuously Per Port
- Power up to 24 IP Devices
- Cost Effective
- Compliant to ◆ IEEE 802.3af PoE Standards

Functions and Features

The LAN Power Model **LP-2124** Twenty-Four (24) Port PoE Midspan Desktop Injector supports powering up to Twenty-Four (24) IP 'PoE Enabled' End Devices. The Twenty-Four (24) Port PoE Midspan Injector adds up to 15.4 watts continuously per port at ~48 VDC wires in a standard Category 5, 5e, or 6 Ethernet cable. The LP-2124 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. The maximum cable distance from Ethernet Switch to end IP Device is 328 feet/100 meters.

Key Features of the Twenty-Four (24) Port PoE Injector include:

- Output Wattage is up to **15.4 Watts** continuously out each of its twenty-four (24) ports-power up to 24 IP Devices
- Cost Effective
- Compliant to **IEEE 802.3af** Power over Ethernet Standards
- Supports Data links at 10Mbs or 100Mbs or 1000Mbs (Gigabit Compatible) per port
- Surge Protection with over voltage current and short circuit protected (protects the Ethernet Switch)
- Data and Power carried on same Ethernet cable
- Extended Temperature operating range
- LED indicators shows powering status

- Desktop design with optional 19" 1RU Rack Mount Kit Included
- Use with any PoE Compliant device including:
  - IP Security Cameras
  - Wireless LAN Access Points
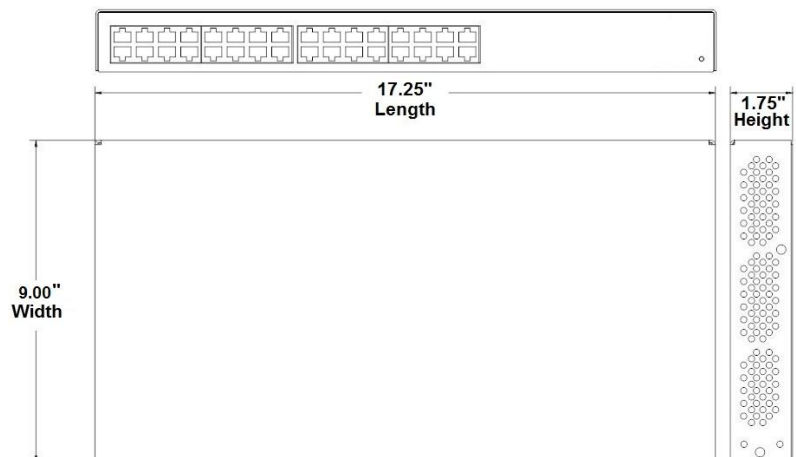 - VoIP Phones
  - Emerging Products
- Full 2 Year Product

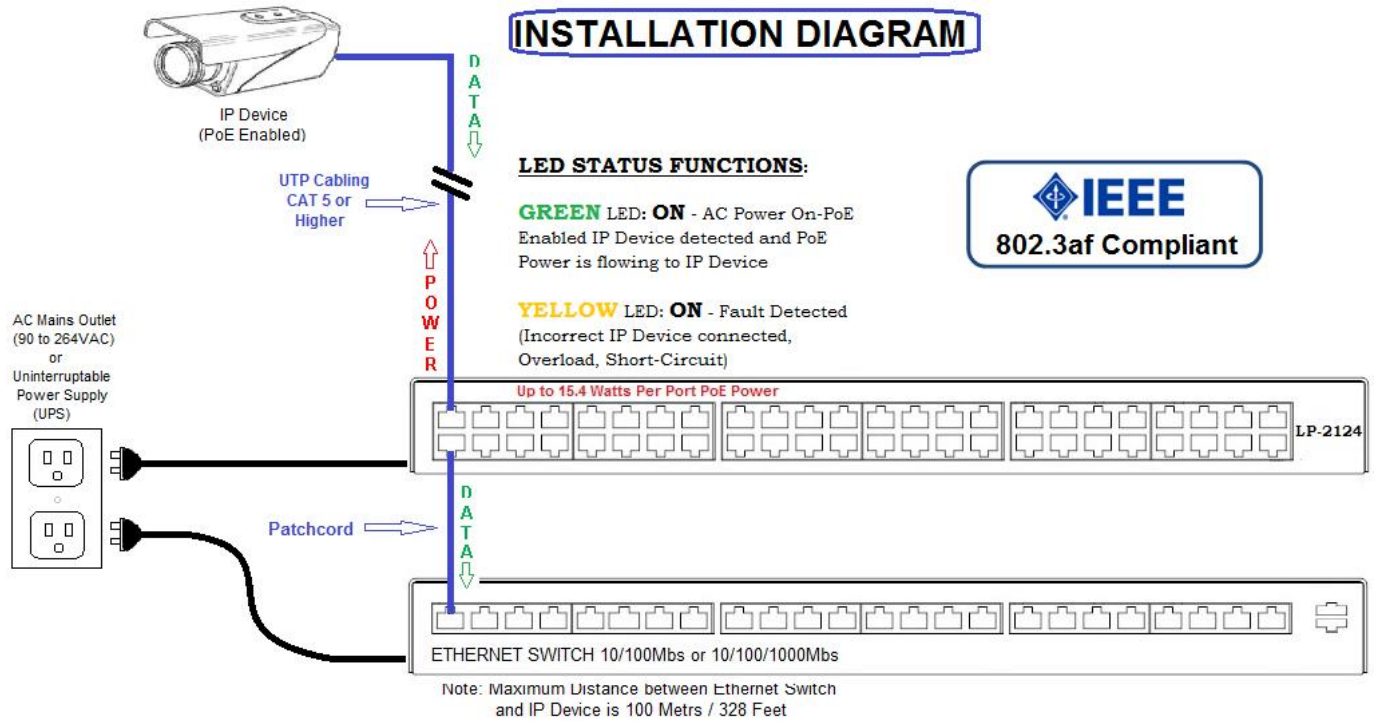## Safety Approvals

- FCC
- CE
- UL/cUL

Unit Dimensions

Length: 17 ¼" (438 mm)
Width: 9" (228mm)
Height: 1 ¾" (44.5mm)
Weight: 8.5 Lbs (3.8 Kg)

17.25" Length

1.75" Height

9.00" Width

☀ LAN-POWER

INSTALLATION DIAGRAM

IP Device (PoE Enabled)

DATA

UTP Cabling CAT 5 or Higher

POWER

AC Mains Outlet (90 to 264VAC) or Uninterruptable Power Supply (UPS)

LED STATUS FUNCTIONS:

GREEN LED: **ON** - AC Power On-PoE Enabled IP Device detected and PoE Power is flowing to IP Device

YELLOW LED: **ON** - Fault Detected (Incorrect IP Device connected, Overload, Short-Circuit)

◆ **IEEE** 802.3af Compliant

Up to 15.4 Watts Per Port PoE Power

LP-2124

Patchcord

DATA

ETHERNET SWITCH 10/100Mbs or 10/100/1000Mbs

Note: Maximum Distance between Ethernet Switch and IP Device is 100 Metrs / 328 Feet

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Ordering Info

Model **LP-2124** Twenty-Four (24) Port PoE Midspan Injector

Environmental Specifications
Operating Temperature: 32° to 104° F/ 0° to 40° C
Storage Temperature: -13° to 149° F/ -25° to 65° C
Relative Humidity: 5% to 90% non-condensing

Ethernet Data Throughput Speeds (Per Port): 10 Mbs Ethernet or 100 Mbs Fast Ethernet or 1000Mbs supported (Gigabit Compatible)

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

Safety Approvals

c(UL)us C E

Includes 19" Rack Mount Tabs for Rack Mounting to 19" Rack 1 RU

Electrical Specifications and Properties
AC Power Input Connecter - IEC320 inlet 3 pin
Power Supply:
Voltage Range: 90 - 264VAC
Voltage Rating: 100 - 240VAC
Frequency Range: 47 - 63Hz
Frequency Rating: 50 - 60Hz
Input Current: 5.5A (RMS) maximum for 90VAC
2.75A (RMS) maximum for 230VAC
Leakage Current: <3.5mA at 254VAC 60Hz

DC Power Output
PoE Protocol: IEEE 802.3af
Power on Data Pins: 4 & 5 (+), 7 & 8 (-)
Output Voltage: 48VDC (+10%-0)
Maximum Power per Port: 15.4 Watts – Compliant to IEEE 802.3af PoE Standard
Total Power: 370 Watts
Ripple and Regulation: 100mV maximum
Efficiency: >75%
Hold-up Time: 16mS Min. @ 120VAC Input and maximum load
Turn-On Delay Time: 3 seconds maximum at maximum load, and 120VAC 60Hz, 25Hz
Transient O/P Voltage Protection: 60V maximum at switch on and off at any AC line phase

Over Voltage/Current-Short Circuit Protection: Outputs equipped with short circuit and overload protection as per IEEE 802.3af specification-the output can be shorted permanently without damage