

# LAN-POWER

**MODELS: LP4805, LP4812 and LP4824**  
**21 Watt DC-DC Power over Ethernet (PoE) Splitter**  
**IEEE802.3af Compliant Splitter**



***When the IP Device you intend to use is not PoE Enabled (48Vdc)***

LAN Power provides a selection of 21 Watt Power-over-Ethernet (PoE) enabled splitters that provide 5Vdc at 2.0A (Model LP4805), 12Vdc at 1.75A (Model LP4812) or 24Vdc at 0.875A (Model LP4824) for powering IP CCTV security cameras, IP wireless network access points, IP telephones, IP print servers, etc. – IP Products which are not PoE Enabled. These PoE splitters divide the incoming PoE power (48Vdc) and data and convert the PoE source to a regulated DC power source (5Vdc/ 12Vdc/24Vdc). It is designed to be mounted adjacent to an IP Ethernet device, and is designed with the same detection and overload features specified in IEEE 802.3af standards (PoE enabled). Designed to work with our COBRA PoE Midspan Units to allow powered devices to be installed into locations without requiring an electrical outlet and UPS local to the device.

The splitters are housed in a non-vented case with 10/100 BASE-T (Mbs) data pass through rates along with a LED to indicate it has power. The device also has full OCP and OVP-protection. The splitter is isolated from the PoE source by 1500VAC and meets UL LPS and SELV output requirements.

**The units have two RJ45 connectors and a set of wires (2 Conductor)**

- The **RJ45** on the right is marked **IN** - This **IN** is for the input of combined data and PoE
- The **RJ45** on the left is marked **OUT** - This **OUT** is the data signal only coming from IP Device
- DC Power is generated over to the set of wires (2 Conductor) and identified as '+' (positive) and '-' (negative)

## **SPECIFICATIONS:**

**Voltage Output Current (based on Minimum of 21 Watts Input)**

Model **LP4805** - 5Vdc 2.0A

Model **LP4812** - 12Vdc 1.75A

Model **LP4824** - 24Vdc 0.875A

## **INPUT**

### **Input Voltage Range**

Receives power from either data or spare pairs  
45-57V DC

## Input Current

0.625A (RMS) maximum

## OUTPUT

### Regulation

Line and Load  $\pm 4\%$

### Ripple

12V 120mVp-p

24V 240mVp-p

### Efficiency

80% (typical) at maximum load 48V DC

### O/P Voltage Protection

In case of output voltage overload, crowbar will short

## ENVIRONMENTAL

### Temperature

Operation 0 to  $+40^{\circ}\text{C}$

Non-operation  $-20$  to  $+65^{\circ}\text{C}$

### Humidity

Operation 5 to 90%

### Immunity

ESD: EN61000-4-2 Level 3

RS: EN61000-4-3 Level 2

### EMC

EN55022 Class A

FCC Part 15, Class A

### Dielectric withstand (HI-POT) Test

Primary to secondary: 2121VDC for 1 minute 10mA

### Insulation Resistance

Primary to secondary:  $>10\text{M Ohm}$  500VDC

### Indicators

GREEN LED – Output Good

### Short Circuit Protection

Output can be shorted permanently without damage

### Warranty

2 Year

### Input and Output Data Connector

RJ45

## DIMENSIONS

Height: 1.1 Inch

Width: 2.2 Inch

Length: 3.97 Inch

Weight: 0.3 Lb

