

## Wall Mount 48VDC PoE Injector/Midspan with Integral 24W Power Supply Model: PSW4824-POE

### Applications

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- 48VDC Power-Over-Ethernet devices
- 48VDC VoIP (Voice over Internet Protocol) telephones
- 48VDC wireless LAN Access Points and Bridges
- 48VDC IP surveillance cameras

### Features

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- Compact wall mount design
- No additional power cables required
- Integral 48VDC @ 24W power supply
- Built in protection circuits
- IEEE 802.3af/at compatible



### Description

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The PSW4824-POE is a Power-over-Ethernet (PoE) Injector/Midspan with integral 48VDC, 24 Watt power supply. It provides 48VDC power for multiple\* PoE-equipped devices by "Injecting" DC power through the CAT5 Ethernet cable. It is compatible with Access Points and other equipment supporting the IEEE standard PoE pinout (Pins 4 & 5 Power + / Pins 7 & 8 Power -) and the 48VDC power requirement.

\*The total number of devices that can be powered will depend on the power requirements of each device used.

#### Compact Wall Mount Design

Since the PSW4824-POE is completely self-contained, a separate power supply and injector is not required. It can be plugged directly into a wall electrical outlet, eliminating the need for additional power cables. The compact size makes it ideal for crowded equipment enclosures. The PSW4824-POE can convert any of L-com's 120VAC industrial enclosures into a 48VDC PoE ready enclosure.

#### Built in protection circuits

The PSW4824-POE feature built in over voltage, over current and short circuit protection. If an overload is detected, the power shuts down automatically; when the overload is cleared, the power is restored.

**Specifications**

**Mechanical Specifications**

<b>Connectors</b>	(2) RJ45 Jacks
<b>Dimensions</b>	3.5 x 1.8 x 1.4 in. (90 x 45 x 35 mm)
<b>Weight</b>	4.3 oz. (123g)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Operating Humidity</b>	10-90% Relative Humidity (no freezing dew)
<b>Storage Temperature</b>	-20°C to 85°C (-4°F to 136°F)
<b>Storage Humidity</b>	10-95% Relative Humidity (no freezing dew)

**Electrical Specifications**

<b>Data Lines</b>	Pair 1: Pins 1/2 Pair 2: Pins 3/6
<b>CAT5 Power Pinout</b>	+ VDC: Pins 4/5 - VDC: Pins 7/8
<b>Power Supply</b>	48VDC @ 24W
<b>Max Current</b>	500mA
<b>Input Power</b>	100-240 VAC
<b>Over Load Protection</b>	115%-150% of Rated Power
<b>Over Voltage Protection</b>	130%-150% of Rated Voltage
<b>Short Circuit Protection</b>	Yes
<b>RoHS Compliant</b>	Yes
<b>EMI and EMC Compliance</b>	EN 55022 & EN 55024

