

## Desktop 48VDC Gigabit PoE Injector/Midspan with Integral 20W Power Supply Model: PS4820GB-POE-1

### Applications

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- Wireless LAN access points and bridges
- Wired gigabit PoE switches
- High definition IP surveillance cameras
- Gigabit network devices

### Features

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- 10/100/1000 Mbps
- PoE Injector/Midspan and Power Supply in one unit
- Integral 48VDC @ 20W power supply
- Built in protection circuits
- IEEE 802.3af compatible



### Description

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The PS4820GB-POE-1 is a Gigabit Power-over-Ethernet (PoE) Injector/Midspan with integral power supply. It provides 48VDC @ 20W of PoE power for multiple\* PoE-equipped devices by "Injecting" DC power through the CAT5/6 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 Size

Since the PS4820GB-POE-1 is completely self-contained, a separate power supply and injector is not required. Its compact size makes it ideal for crowded equipment enclosures or for use on a desk top.

#### Built in protection circuits

The PS4820GB-POE-1 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.

**Note: 1 ft. power supply cord sold separately. See PSCORD3**

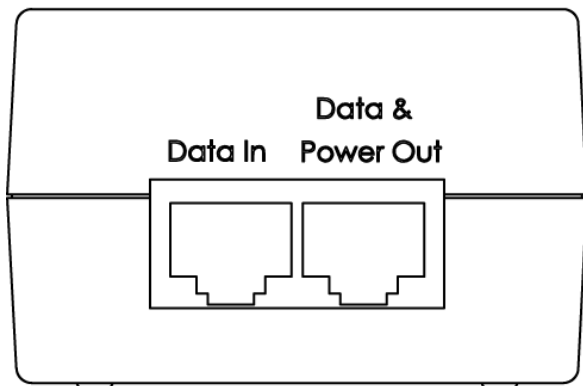
**Specifications**

**Mechanical Specifications**

<b>Connectors</b>	(2) RJ45 Jacks
<b>Dimensions</b>	4.8 x 2.4 x 1.5 in. (123 x 61 x 40 mm)
<b>Weight</b>	7.2 oz. (205g)
<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 @ 20W
<b>Max Current</b>	.42A
<b>Input Power</b>	100-240VAC
<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>UL Listed</b>	No
<b>EMI and EMC Compliance</b>	EN 55022 & EN 55024



**PoE Gigabit Pin-Out Connections:**

