

## Key Benefits

- Gigabit, High-Powered Power-over-Ethernet Injector
- Supplies up to 25.5Watts of power over a Cat5e or Cat6 Ethernet cable and is in full compliance with the IEEE 802.3at (PoE Plus) standard
- Ethernet surge/overload/short circuit protection to prevent device damage
- 48V insertion to eliminate voltage drops due to cable length
- Automatically detects if the connected device is PoE-enabled to avoid sending power to a non-PoE device
- Advanced switching technology and a robust metal housing to allow placement in any interior environment
- Internal power supply: supports 100 – 240VAC input power
- FCC and CE approved
- RoHS compliant

## PI-05

### PI-05 HIGH-POWERED GIGABITPoE INJECTOR, IEEE 802.3at-COMPLIANT

Pump up the power with the Pakedge PI-05! The PI-05 is a high-powered Gigabit IEEE 802.3at-compliant PoE injector which powers PoE-Plus compliant devices. It delivers unprecedented technology, is compact, and is enclosed in a heavy-duty, heat-dissipating metal housing which ensures durability and maximum cooling.

The Gigabit PoE technology is an innovative solution that eliminates the need for a nearby electrical outlet to power network devices such as IP cameras, wireless access points, and VoIP phones. In addition, it carries Ethernet at Gigabit speeds.



This new and improved power injector can now power devices that require up to 25.5 Watts. For example, it can power six radios on a concurrent dual-band wireless access point or a higher-resolution IP camera. The PI-05 protects against damage to non-compliant equipment by withholding power until it detects a valid PoE signature from the devices attached to the Ethernet cable. In addition, voltage is inserted at 48V into the Ethernet cable, so the installer does not need to worry about voltage drops due to cable length.

The PI-05 will power any device fully compliant with the IEEE 802.3at standard, and is functional directly out of the box. It is completely plug-and-play and does not require additional programming or software.

HTTP://  
WWW.  
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## PI-05 SPECIFICATIONS

### SUMMARY

Standards	Complies IEEE802.3at and IEEE 802.3af (PoE) IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab
Interface	PoE+Power Output: One 10/100/1000Mbps RJ-45 port Ethernet Data In: One 10/100/1000Mbps RJ-45 ports One AC Power socket
RJ45 Data	Pin In: 1, 2, 3, 4, 5, 6, 7,8 for Ethernet Pin Out: 1, 2, 3, 4, 5, 6, 7,8 for Ethernet (4,5,7,8 for DC)
Cable Connections	RJ-45 (10BASE-T): Category 3,4,5 UTP RJ-45 (100BASE-TX): Category 5 UTP RJ-45 (1000BASE) : Category 5,6 UTP
Transmission Mode	10/100/1000, Gigabit, Auto-Negotiation (Full-duplex, Half-duplex)
LED indications	One Power and One PoE
Housing	Dimensions: 6" x 2.9" x 1.4" Weight- 0.8lbs Material- Metal
Temperature	Operating: 41°F ~ 113°F / 5°C ~ 45°C Storage: -4°F ~ 131°F / -20°C ~ 55°C
Humidity	Operating: 10%~90% RH, non-condensing Storage: 5% ~ 95% RH, non-condensing
Certification	FCC, CE, Class A
Minimum Power at the PSE Output	30W
Allowed PSE Output Voltage	50 - 57 V
Nominal PSE Output Voltage	53 VDC
Maximum DC Cable Current	600 mA per pair

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