

2.5G IEEE802.3bt PoE Injector PI100QB

Product Overview

PI100QB, a 2.5Gbps IEEE802.3bt PoE injector with a built-in AC-DC power supply, is suitable for indoor PoE applications through Ethernet cable CAT5e or higher grade LAN cable like CAT6. It can be powered up by normal 100V~240V AC input. The PoE injector consists of two RJ45 connectors; one port is for Ethernet data only (IN), and another port for Ethernet data with injected PoE (Power over Ethernet) output (OUT). The injector provides PoE power supply application compliant to IEEE 802.3af/at/bt standards for Ethernet equipment, such as advertising machine, small base station, switch, wireless AP, industrial network terminal, network camera, etc. It meets the requirements of efficient power provision in which power cannot be available at the remote end with simple/easy installation.

Features

- 4-Pair power up to 60W (90W optional with metal casing)
- IEEE 802.3bt compliant - higher power
- Compatible with all IEEE 802.3at, 802.3af and legacy power supply devices
- Safety: devices only receive the power required through 4 pairs with over current protections.
- Ethernet DC power supply complies with SELV
- Automatic detection and protection of non-standard Ethernet terminals
- Support Ethernet data rate of 10/100/1000/2500Mbps applications
- Compact design for easy installation of WLAN access points

Part Number	Description
PI100QB	High Power 60W, 1-port Gigabit/2.5G PoE AC input (90W optional with metal casing)



1. Power LED Indicators (Green)
2. PoE LED Indicators (Yellow)
3. RJ-45 Output Port
4. RJ-45 Input Port

5. Interlocking Feature
6. Panel Mounted Male Connector
7. Interlocking Feature
8. Wall-Mountable

Specifications:

Standard: IEEE802.3af/at/bt

Number of PoE port: 1

Passing data rate: 10/100/1,000/2,500 Mbps

Pin assignment and polarity: 1,2,4,5+ / 3,6,7,8-

Output power supply voltage: 52-56VDC

User port power: maximum 60W (90W optional with metal casing)

AC input voltage: 100 to 240 VAC

AC frequency: 50 to 60 Hz

Bare metal size: 145 *60* 40mm

Package size: 210*125*55mm

Weight 0.3kg

Indicator: AC power (green) POE (yellow)

Connectors: shielded RJ-45, EIA 568a and 568B

Installation structure: wall mounted

Operating temperature: 0 ° - 40 ° C

Storage temperature: -20 ° - 80 ° C

Storage humidity: maximum 95%, non-condensing

RoHS, CE, FCC compliant

Electromagnetic emission and immunity:

FCC Part 15, class B

EN 55032

EN 55035

Safety certification en IEC 62368-1

Application Diagram

