



PU100GBT

10Gbps IEEE802.3bt 60W/90W PoE Injector



Product Overview

PU100GBT is a single port, IEEE 802.3bt 60/90w PoE Injector solution with 10Gbps Ethernet for remote PoE PD devices. Delivering up to 60W/90W through 4pairs in CAT6A, the PU100GBT supplies remote power for new applications such as wireless Access Points, Pan-Tilt-Zoom (PTZ) IP cameras, and IP video-phones. It complies to IEEE 802.3bt/at/af PoE++ standard on both end-point and midspan pairs to deliver with a total power of 60W/90w PoE output. It can work with 10/100/1000Base-T networking devices and 10/5/2.5/1Gbps Ethernet devices such as Wi-Max and wireless IEEE 802.11n access points.



Key Features

- Up to 60/90W of PoE Power feeding on 4-pairs
- IEEE 802.3bt/at/af PoE Compatible
- Compatible with IEEE 802.3af or Legacy PoE application devices
- Safe on Low Power Devices Receive Only the Power needed
- Safe and Reliable Power to WLAN Access Points
- Automatic Detection and Protection of Non-standard Ethernet Terminal Devices
- Supports 10G/5G/2.5Gbps, 1000M/100M/10Mbps, Ethernet LAN environment
- Support 10Gbps data link for CAT6A up to 70m at PoE 60W/90W output

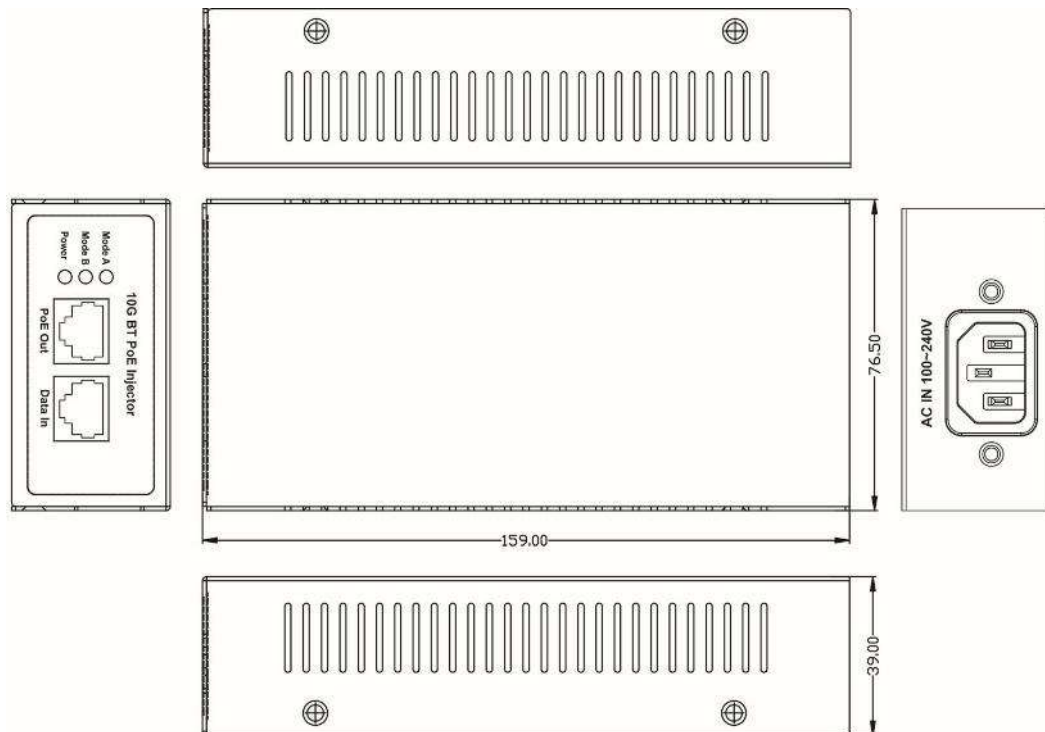


Technical Specifications

Hardware Specifications	
Interface	Data In Ports: RJ-45 PoE Out Ports: RJ-45
Data Speed	10G/5G/2.5G/1000M/100M/10Mbps
PoE Power Output	56VDC Max. 60/90 Watts
Input Power voltage	100-240VAC, 50/60Hz
LEDs	AC Power (Green), PoE Status x 4 (Green)
Network Cable	10Base-T: 2-Pair UTP Cat. 3, 4, 5, up to 250m 100Base-TX: 2-Pair UTP Cat. 3, 4, 5, up to 100m 1000Base-TX: 2-Pair UTP Cat. 3, 4, 5, up to 100m 2.5G/1000Base-T: Cat.5e or higher UTP ($\leq 100m$) 5G Base-TX Cat.6 or higher UTP ($\leq 100m$) 10G Base-X Cat.6A or higher UTP ($\leq 70m$)
Dimension (W x D x H)	180 x 71 x 37 mm
Weight	530 g
Operating Temperature	0 ~ 40 °C
Storage Temperature	-40 ~ 70 Degree C
Humidity	5 ~ 95% (non-condensing)
Power over the Ethernet	
PoE Standard	IEEE 802.3at/af/bt
PoE Function	Auto Recovery, OVP, OCP, OTP
PoE Power Output	DC 56V max. 60w/90 watts
PoE Pin Polarity	Pin1/2(-), pin3/6(+), pin4/5(+), pin7/8(-)
Power Module Budget	65W (Optional 36W or 90W)
Standards Conformance	
Standards Compliance	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3az 1000Base-TX Gigabit Ethernet IEEE 802.3an/bz, 10GBase-T, 5G/2.5GBase-T IEEE 802.3af/at/bt Power over Ethernet
Regulation Compliance	FCC Part 15 Class A, CE

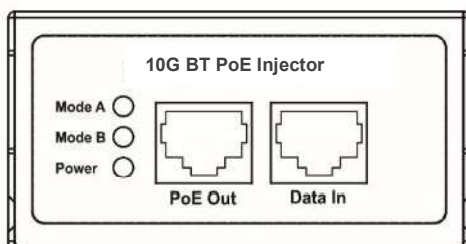


Dimensions

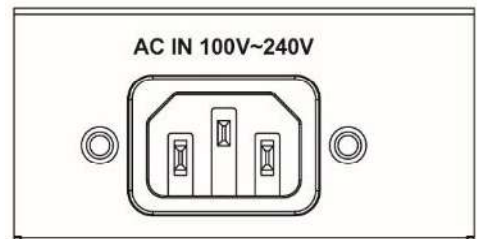


Panel

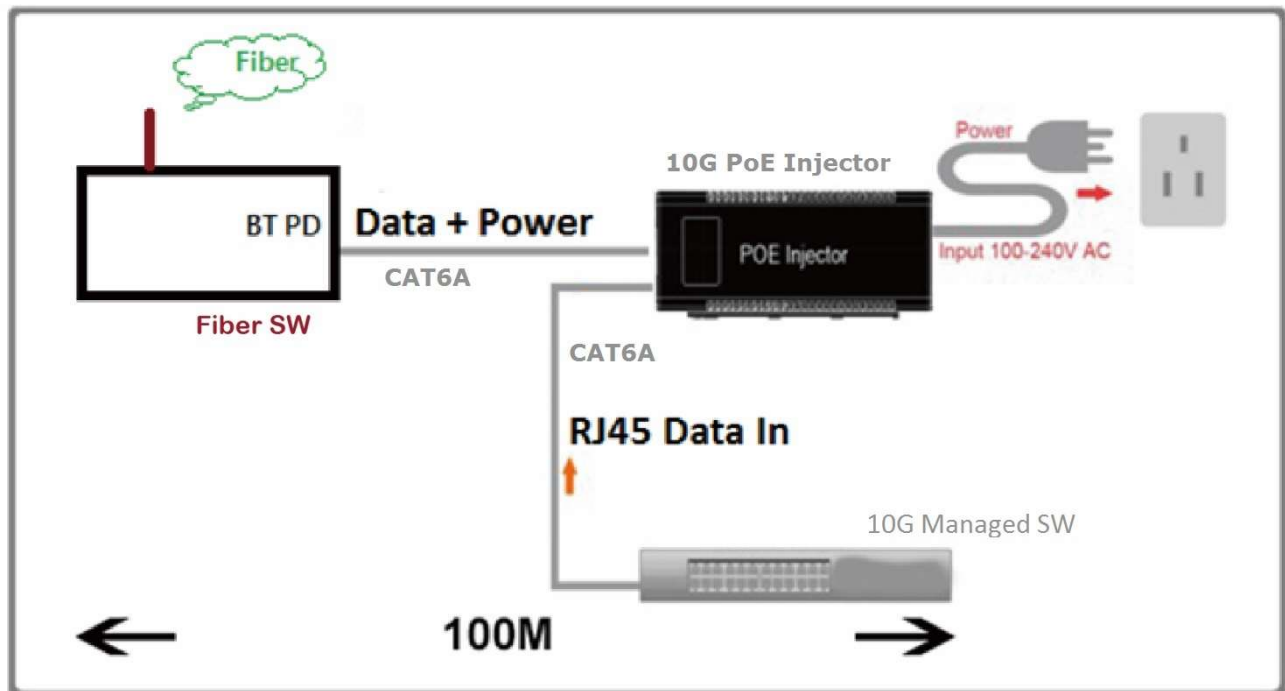
Front Panel



Rear Panel



Application



Ordering Information:

PU100GBT-60	60w PoE 10/100/1000Mbps, 2.5/5/10G Injector, IEEE802.3bt/at/af Compliant
PU100GBT-90	90w PoE 10/100/1000Mbps, 2.5/5/10G Injector, IEEE802.3bt/at/af Compliant