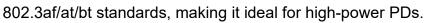
95W PoE Injector

### RP-PGJ159B

### Gigabit 802.3bt 95W PoE Injector

The RP-PGJ159B is a 95W Gigabit PoE injector that delivers both power and data over a single Ethernet cable. It supports 4-pair power supply and complies with IEEE





For non-PoE terminal devices, the RP-PGJ159B can be used with a PoE splitter to separate power and data. This enables flexible network expansion while reducing installation costs and the need for extra power lines.

#### **Features**

- Support IEEE 802.3bt standard, compatible with IEEE 802.3 af/at/bt electrical equipment (PD)
- Four pairs of power supply are adopted to reduce power loss on the network cables and increase the output power
- Smart PoE Detection Automatically detects IEEE-compliant PDs and adjusts output accordingly for safe and efficient power delivery
- Supports both Mode A (End-Span) and Mode B (Mid-Span) pin outs for compatibility with various network devices
- Single port maximum output power up to 95W
- Data transmission and power supply distance up to 100 meters
- Supports 10/100/1000Mbps gigabit data rates to ensure seamless data
- Intelligent protection and power supply
- Multiple PoE modes with one-click selection: BT, Legacy BT, and UPoE
- Flexible Installation for both wall-mount and desktop installation

# **Specifications**

Standard	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet
	<ul> <li>IEEE 802.3bt/at/af Power over Ethernet</li> </ul>
Interface	● 1 x 4-Pair PoE PSE 10/100/1000Mbps RJ-45 port
	(Power/Data Out)
	• 1 x 10/100/1000Mbps RJ-45 port (Data In)
Data Rates	• 10/100/1000Mbps
PoE Power Budget	• 95Watt @54V
PoE Pin Assignment	• Mode A (End-Span): 1/2 (-), 3/6 (+)
	● Mode B (Mid-Span): 4/5 (+), 7/8 (-)
Slide Switch	BT mode: support IEEE 802.3at/af/bt standard PD device
	Legacy BT mode: support non-standard IEEE 802.3at/af/bt
	PD device
	UPoE mode: provide maximum power to PD device without
	PD class detection
Power Supply	<ul> <li>Internal power 100~240VAC input, 50~60Hz, 1.8A MAX</li> </ul>
LED Indications	PWR(Green) , PoE(Green), PoE Usage(80%)(Green)
Installation	Wall-mount and Desktop
Environmental	Operating Temperature: 0~40°C
	<ul> <li>Storage Temperature: -10~70°C</li> </ul>
	<ul> <li>Operating Humidity: 10%~90% (Non-condensing)</li> </ul>
	<ul> <li>Storage Humidity: 5%~90% (Non-condensing)</li> </ul>
Dimensions	• 170 x 100 x 40mm (L x W x H)
Surge Protection	Difference mode: ± 2KV
	Common mode: ± 4KV
Certification	• FCC, CE, LVD

# **Ordering Information**

RP-PGJ159B Gigabit 802.3bt 95W PoE Injector