

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 802.3af/at/bt standards, making it ideal for high-power PDs.

It automatically detects and identifies IEEE-compliant powered devices (PDs) and adjusts the output power accordingly. It supports transmission distances of up to 100 meters over standard Cat5e/6 Ethernet cables.

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	<ul style="list-style-type: none">• IEEE 802.3 10Base-T Ethernet• IEEE 802.3u 100Base-TX Fast Ethernet• IEEE 802.3ab 1000Base-T Gigabit Ethernet• IEEE 802.3bt/at/af Power over Ethernet
Interface	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 10/100/1000Mbps
PoE Power Budget	<ul style="list-style-type: none">• 95Watt @54V
PoE Pin Assignment	<ul style="list-style-type: none">• Mode A (End-Span): 1/2 (-), 3/6 (+)• Mode B (Mid-Span): 4/5 (+), 7/8 (-)
Slide Switch	<ul style="list-style-type: none">• 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 style="list-style-type: none">• Internal power 100~240VAC input, 50~60Hz, 1.8A MAX
LED Indications	<ul style="list-style-type: none">• PWR(Green) , PoE(Green),PoE Usage(80%)(Green)
Installation	<ul style="list-style-type: none">• Wall-mount and Desktop
Environmental	<ul style="list-style-type: none">• Operating Temperature: 0~40°C• Storage Temperature: -10~70°C• Operating Humidity: 10%~90% (Non-condensing)• Storage Humidity: 5%~90% (Non-condensing)
Dimensions	<ul style="list-style-type: none">• 170 x 100 x 40mm (L x W x H)
Surge Protection	<ul style="list-style-type: none">• Difference mode: ± 2KV• Common mode: ± 4KV
Certification	<ul style="list-style-type: none">• FCC, CE, LVD

Ordering Information

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