

## **RP-PGJ44GD**

### **4 Ports Gigabit PoE Injector Hub**

RP-PGJ44GD is a versatile DC/DC PoE injector designed to accommodate up to four different DC input voltages and deliver four varying PoE output voltages. Each port supports a maximum power output of 2A, and the data rate can be configured at 10M/100M/1000M, ensuring flexibility for diverse network requirements. Notably, the device allows the reversal of the polarity for each PoE output, providing adaptability to specific deployment needs.

Equipped with bottom ports 1-4 on the front panel, RP-PGJ44GD follows a standard configuration, with data pairs and voltage distribution detailed for optimal performance. The unit supports data rates of 10M/100M/1000Mbps and operates within an input voltage range of 44 to 57V DC. With a maximum PoE power of 35W per port, RP-PGJ44GD incorporates robust protection features, including over-current and over/under voltage safeguards.

The LEDs on the device indicate PD detection, power readiness, and power status. Operating reliably in temperatures ranging from -40 to 70°C, the RP-PGJ44GD is also DIN RAIL mountable, offering convenient installation options for various industrial applications.



## **Feature**

- Support up to 4 different DC input voltages and deliver 4 varying PoE output voltages.
- Provide a maximum power output of 2A
- Wide Input Voltage Range 44 to 57V DC
- Maximum PoE Power 35W Per Port output
- PoE protection: over-current, over/under voltage
- Rich LED Status Indicators: green-PD detect, red-power ready, off-No power apply
- DIN RAIL mountable

## Specification

Standards	<ul style="list-style-type: none"><li>● IEEE 802.3 10Base-T Ethernet</li><li>● IEEE 802.3u 100Base-TX Ethernet</li><li>● IEEE 802.3ab 1000Base-T Ethernet</li><li>● IEEE 802.3at/af Power over Ethernet / PSE</li></ul>
Interface	<ul style="list-style-type: none"><li>● 4*10/100/1000M RJ 45 PoE in ports</li><li>● 4*10/100/1000M RJ 45 PoE out ports</li></ul>
Data Input	<ul style="list-style-type: none"><li>● Upper Ports 1-4 for Gigabit Ethernet data input.</li></ul>
Power Input	<ul style="list-style-type: none"><li>● Input voltage range is 44~57VDC</li></ul>
PoE Output	<ul style="list-style-type: none"><li>● Downward Ports 1-4 for PoE output, output voltage is same as input, no regulated as detailed below:</li><li>● Data pair A on line 1 and 2</li><li>● Data pair B on line 3 and 6</li><li>● Data pair C plus V+ on line 4 and 5</li><li>● Data pair D plus V- on line 7 and 8</li></ul>
LED Indicator	<ul style="list-style-type: none"><li>● Green: PD detection</li><li>● Red: Power readiness</li><li>● Off: No input power valid</li></ul>
Environment	<ul style="list-style-type: none"><li>● Operating temperature: -40°C~ +70°C</li><li>● Operation humidity: 90% relative humidity, non-condensing</li><li>● Storage temperature: -40°C~+85°C</li></ul>
Dimension	<ul style="list-style-type: none"><li>● 40mm(H) x118mm(W) x90mm(D) DIN RAIL Mountable</li></ul>
Surge protection	<ul style="list-style-type: none"><li>● IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)</li><li>● IEC61000-4-4 (EFT) 40A (5/50ns)</li><li>● IEC61000-4-5 (Lightning) 20A (8/20μs)</li></ul>

## Ordering Information

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