RP-IPJ811-12V

30W Industrial Gigabit PoE+ Injector

RP-IPJ811-12V Industrial Gigabit PoE+ Injector is a versatile solution that brings a substantial PoE power budget of up to 30W. Notably, this injector provides a wide power input voltage range spanning from +12 to +56Vdc. This feature not only amplifies the input voltage but also minimizes excessive heat generation, effectively addressing heat-related concerns. Furthermore, the extended voltage range ensures equipment protection against unregulated voltage, making systems more secure and reliable. The RP-IPJ811-12V's intelligent design aims to enhance performance while reducing potential risks.

This injector is exceptionally well-suited for a range of applications, including the deployment of IP surveillance and traffic monitoring solutions. It has been subjected to rigorous testing, specifically catering to the needs of Security, Transportation, and Telco applications. These demanding environments require robust equipment, and the RP-IPJ811-12V is engineered to perform reliably across a wide temperature range from -40°C to 75°C. This resilience makes it a trustworthy choice for scenarios where consistent operation under climatic challenges is essential.

RP-IPJ811-12V's versatility extends to its installation options. With an IP-30 standard industrial case protection, it supports both DIN rail and wall mounting. This adaptability ensures efficient utilization of cabinet space, an essential consideration in many industrial setups. By offering flexible installation methods, the RP-IPJ811-12V caters to the diverse needs of network administrators and installers, streamlining deployment and cable management. Its thoughtful design and robust performance make it a valuable asset for various industrial applications.

Features

- One port 10/100/1000 Base-T (Data) for connection to the Ethernet Switch
- One port 10/100/1000 Base-T PoE (Power/Data) for connection to the PoE device (PD)
- Built-in hardened POE Controller
- Supports 802.3af (15.4W) and 802.3at (30W) PoE Power Output
- Max total PoE power 36watts at 56VDC input
- Support dual wide range12~56VDC power inputs for power redundancy
- Support redundant power
- Reserve polarity protection

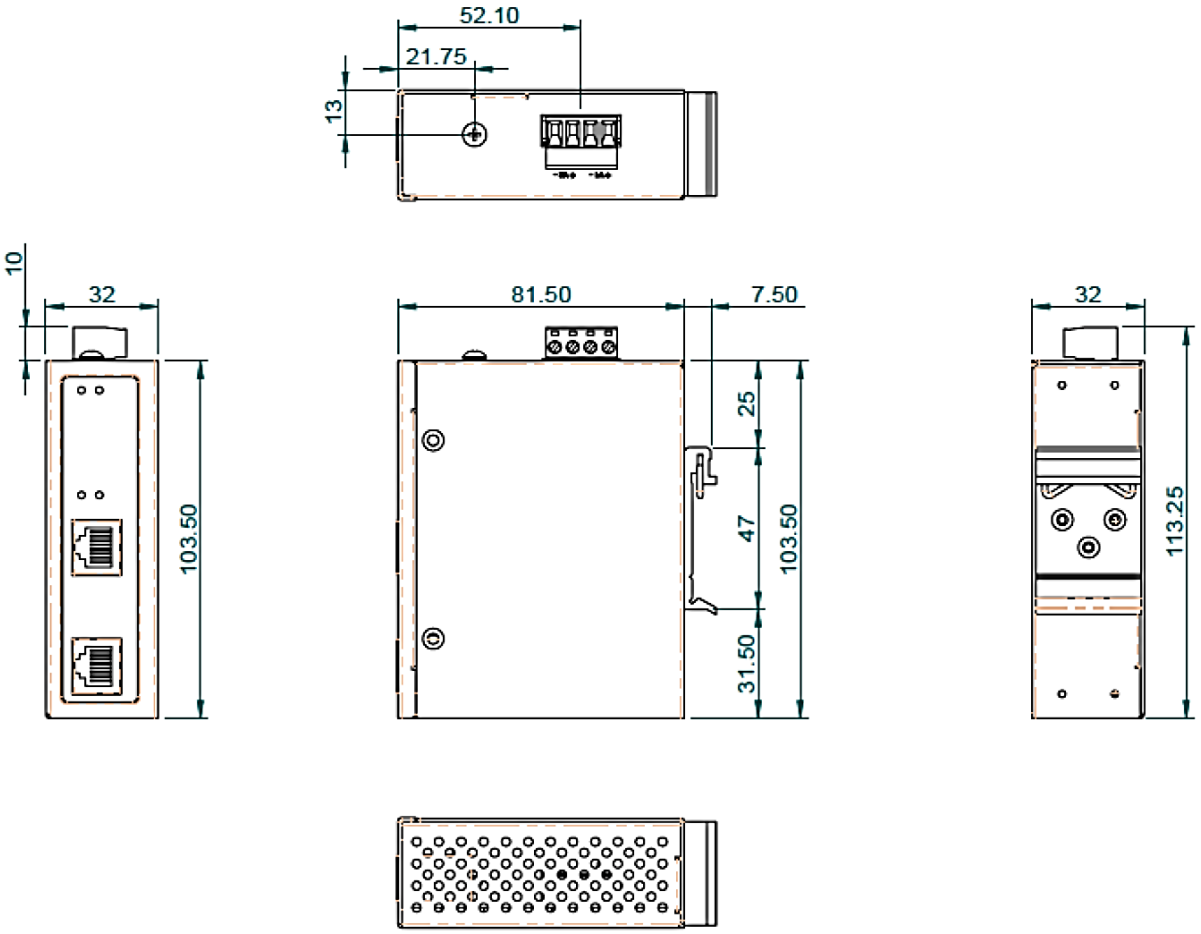
- Overload current protection
- IP30 Rugged Aluminum housing design
- Working in extreme environment -40 to +75°C

Specifications

Standards	• IEEE 802.3 10Base-T Ethernet • IEEE 802.3u 100Base-TX Fast Ethernet • IEEE 802.3ab 1000Base-T Gigabit Ethernet • IEEE802.3af for POE • IEEE802.3at for POE+
Interface	• 1 x RJ-45 10/100/1000BaseT(X) Data • 1 x RJ-45 10/100/1000BaseT(X) PoE Output power
Network Cable	• UTP/STP above Cat.5e Cable, EIA/TIA-568 10-ohm (100m)
Protocol	• CSMA/CD
LED Indicators	• PW1 (Green): ON－Power is detected • PW2 (Green): ON－Power is detected • Mode A (Green): For End-Span PoE power 1,2,3,6 • Mode B (Green): Reserved
POE Pin Assignment	• Mode A model, V+, V+, V-, V- for pin 1, 2, 3, 6 • Mode B model, V+, V+, V-, V- for pin 4, 5, 7, 8
Reserve polarity protection	• Present
Overload current protection	• Present
Power Consumption	• 1 W@12/24/48 VDC full load, Without POE
Power Supply	• 2 Redundant power source • 12V~56V VDC Power Input
PoE power	• Max total PoE power 36watts at 56VDC input
Removable Terminal Block	• Provide 4 pin terminal block • Wire range: 0.34mm^2 to 2.5mm^2 • Solid wire (AWG):12-24/14-22 • Stranded wire(AWG): 12-24/14-22 • Torque:5lb-In/0.5Nm/0.56Nm • Wire Strip length: 7-8mm
Environment	• Operating temperature : -40°C~75°C • Storage temperature: -40°C ~85°C • Operating Humidity: 5% to 95% (Non-Condensing)
Dimension	• 103.5 x 32 x 81.5 mm (LxWxD)
Housing	• Rugged Metal, IP30 Protection
Installation	• DIN Rail and Wall Mount Design
EMC/EMS	• CE, FCC
Safety	• IEC EN60950-1

Stability Testing	• EN 60068-2-6 (Vibration), EN 60068-2-27(Shock), EN 60068-2-32(Free Fall)

Dimension



Ordering information

RP-IPJ811-12V 30W Industrial Gigabit PoE+ Injector, 12-56VDC

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