

## **RP-IPJ811**

### **30W Industrial Gigabit PoE+ Injector**

RP-IPJ811 represents a robust Industrial Gigabit PoE+ Injector, offering a substantial PoE power budget of up to 30W. With support for data transmission at 10/100/1000Mbps and a power input ranging from 48 to 56 Volts DC, this device is engineered to handle the demands of modern network installations. It's a versatile solution, ideal for deploying IP surveillance, traffic monitoring, and an array of applications requiring both data connectivity and power supply. The device's capabilities make it an excellent fit for diverse industries, where reliable and efficient network infrastructure is essential.

In terms of resilience, RP-IPJ811 doesn't disappoint. It undergoes rigorous testing, particularly in Security, Transportation, and Telco applications, ensuring it can perform under climatically demanding conditions. Operating flawlessly in a wide temperature range from -40°C to 75°C, it demonstrates its ability to function in extreme environments. The IP30 industrial case protection further enhances its durability, providing immunity against both corrosion and electromagnetic interference. This level of protection is crucial, particularly in settings where equipment longevity and consistent performance are critical.

RP-IPJ811 offers a pragmatic design that suits various installation scenarios. It supports both DIN rail and wall mounting options, allowing for efficient utilization of cabinet space. This adaptability is a key feature, providing flexibility to network administrators and installers as they optimize the layout of their network equipment. Whether the need is to conserve space, enable rapid setup, or streamline cable management, the RP-IPJ811's installation versatility makes it a practical and user-friendly choice for industrial network deployments.



## **Features**

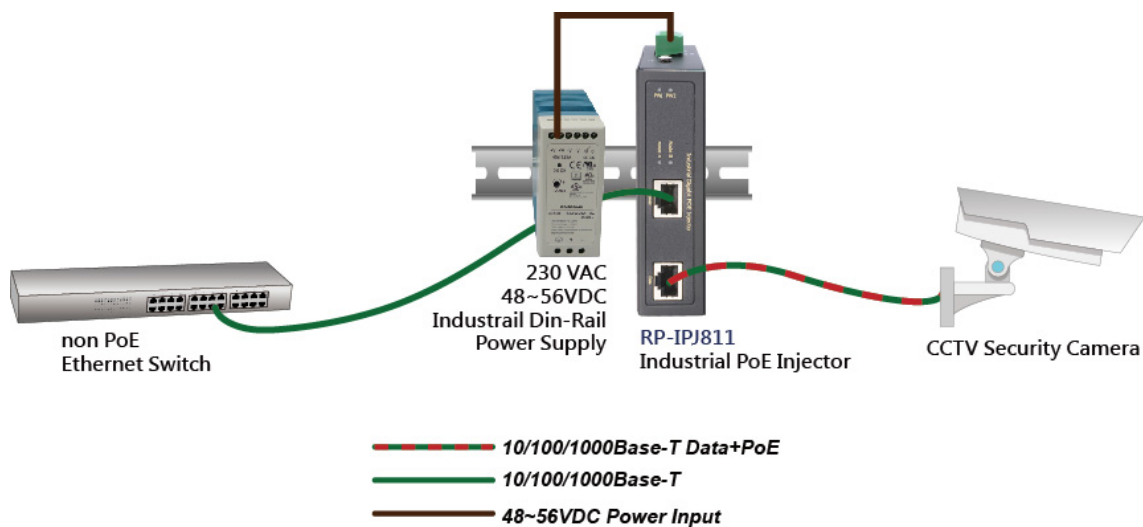
- One port 10/100/1000 Base-T (Data) for connection to the Ethernet Switch
- One port 10/100/1000 Base-T PoE (Power/Data) for connection to the PoE device (PD)
- Built-in hardened POE Controller
- Supports 802.3af (15.4W) and 802.3at (30W) PoE Power Output
- Max total PoE power 36watts at 56VDC input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

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

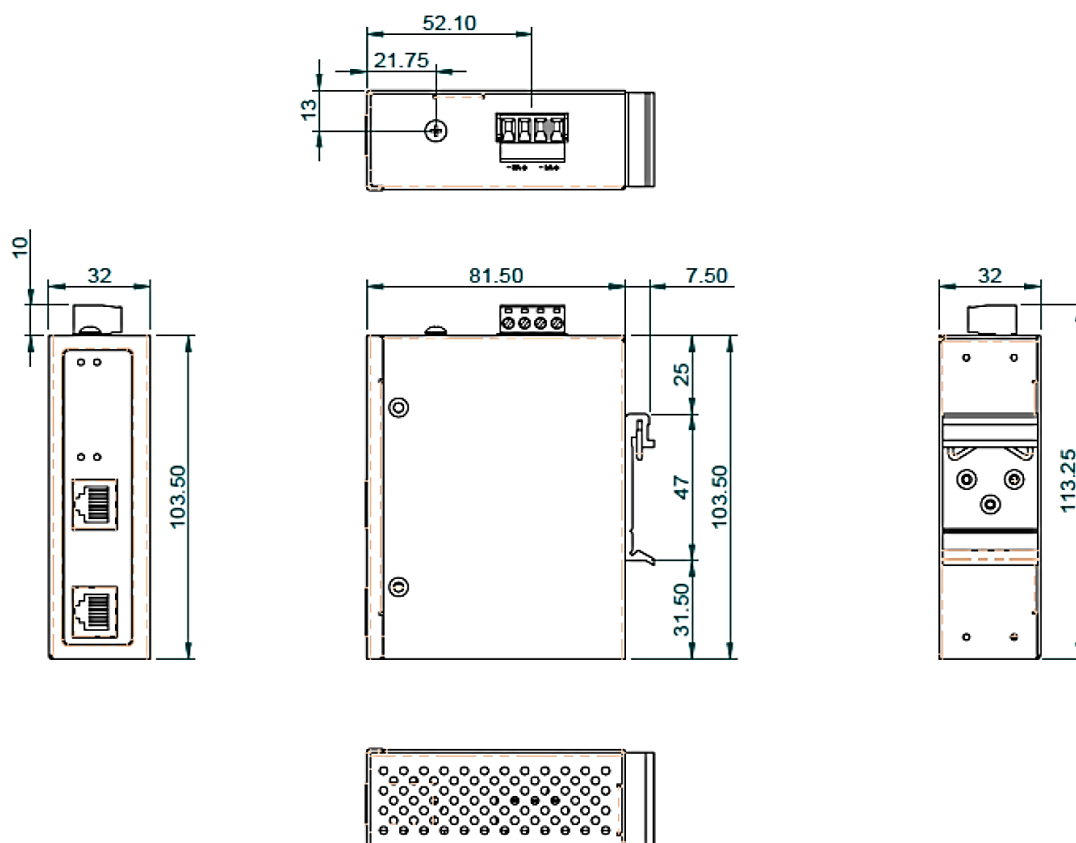
## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet</li> <li>• IEEE 802.3u 100Base-TX Fast Ethernet</li> <li>• IEEE 802.3ab 1000Base-T Gigabit Ethernet</li> <li>• IEEE802.3af for POE</li> <li>• IEEE802.3at for POE+</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 1 x RJ-45 10/100/1000BaseT(X) Data</li> <li>• 1 x RJ-45 10/100/1000BaseT(X) PSE Output power</li> </ul>
<b>Network Cable</b>	<ul style="list-style-type: none"> <li>• UTP/STP above Cat.5e Cable, EIA/TIA-568 10-ohm (100m)</li> </ul>
<b>Protocol</b>	<ul style="list-style-type: none"> <li>• CSMA/CD</li> </ul>
<b>LED Indicators</b>	<ul style="list-style-type: none"> <li>• PW1 (Green): ON – Power is detected</li> <li>• PW2 (Green): ON – Power is detected</li> <li>• Mode A (Green): For End-Span PoE power 1,2,3,6</li> <li>• Mode B (Green): For Mid-Span PoE power 4,5,7,8</li> </ul>
<b>POE Pin Assignment</b>	<ul style="list-style-type: none"> <li>• Mode A model, V+, V+, V-, V- for pin 1, 2, 3, 6</li> </ul>
<b>Reverse polarity protection</b>	<ul style="list-style-type: none"> <li>• Present</li> </ul>
<b>Overload current protection</b>	<ul style="list-style-type: none"> <li>• Present</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• 1W @48 VDC full load, Without POE</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Redundant Dual DC 48V-56V power input</li> <li>• PoE power input 48-56VDC</li> </ul>
<b>POE power</b>	<ul style="list-style-type: none"> <li>• Max total PoE power 36watts at 56VDC input</li> </ul>
<b>Removable Terminal Block</b>	<ul style="list-style-type: none"> <li>• Provide 4 pin terminal block</li> <li>• Wire range: 0.34mm<sup>2</sup> to 2.5mm<sup>2</sup></li> <li>• Solid wire (AWG):12-24/14-22</li> <li>• Stranded wire(AWG): 12-24/14-22</li> <li>• Torque:5lb-In/0.5Nm/0.56Nm</li> <li>• Wire Strip length: 7-8mm</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature : -40°C~75°C</li> <li>• Storage temperature: -40°C ~85°C</li> <li>• Operating Humidity: 5% to 95% (Non-Condensing)</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 103.5 x 32 x 81.5 mm (LxWxD)</li> </ul>
<b>Housing</b>	<ul style="list-style-type: none"> <li>• Rugged Aluminum, IP30 Protection</li> </ul>
<b>Installation</b>	<ul style="list-style-type: none"> <li>• DIN Rail and Wall Mount Design</li> </ul>
<b>EMC/EMS</b>	<ul style="list-style-type: none"> <li>• CE, FCC</li> </ul>
<b>EMI</b>	<ul style="list-style-type: none"> <li>• FCC Part 15 Subpart B Class A, CE EN 55022 Class A</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>• IEC EN60950-1</li> </ul>

## Application



## Dimension



## Ordering information

**RP-IPJ811** 30W Industrial Gigabit PoE+ Injector, 48-56VDC