

## **RP-IPS1248**

### **Industrial 1-port Gigabit 802.3bt 90W PoE Splitter**

RP-IPS1248 is an Industrial 1-port Gigabit 802.3bt 90W PoE Splitter, designed for robust performance in challenging environments. Featuring 1 x 10/100/1000M TX for PoE IN and 1 x 10/100/1000M TX for DATA OUT, it efficiently splits power and data from PoE devices.



With a versatile PSE input ranging from 15W to 90W, RP-IPS1248 delivers selectable output voltages of 12VDC, 16VDC, 24VDC, or 48VDC through a 4-pin terminal block. RP-IPS1248 is compliant with 60W uPoE and 95W Power over HDBaseT (PoH) standards, ensuring compatibility with various PoE configurations. RP-IPS1248 excels in adaptability, functioning as a reliable PoE solution even in the absence of a DC power source.

RP-IPS1248 Its rugged design allows it to operate seamlessly in temperatures ranging from -40 to +75°C, providing a stable network connection in harsh environmental conditions. Whether utilized in industrial settings or other challenging scenarios, this PoE Splitter offers a dependable and efficient solution for powering and transmitting data over Gigabit networks.

### **Features**

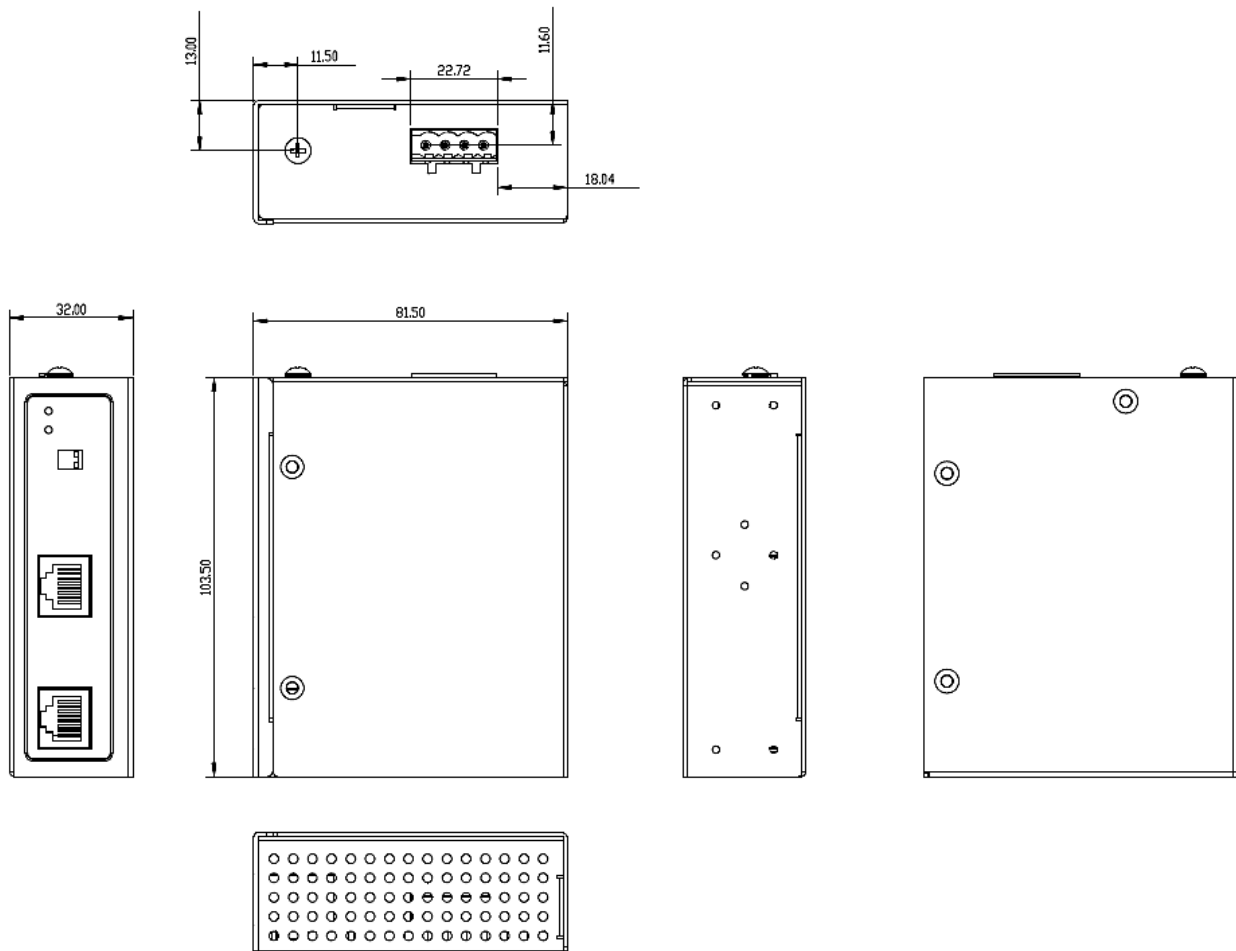
- 1 x 10/100/1000M TX for PoE IN + 1 x 10/100/1000M TX for DATA OUT
- Compliant with 60W uPoE standard
- Compliant with 95W Power over HDBaseT (PoH) standard
- Output Voltage: Selectable 12VDC, 16VDC, 24VDC or 48VDC by Dip Switch
- Provide 4 pin terminal block for power output
- Operating temp.: -40 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>• IEEE 802.3af PoE, 802.3at PoE+, 802.3bt PoE++</li> <li>• Compliant with 60W uPoE standard</li> <li>• Compliant with 95W Power over HDBaseT (PoH) standard</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 1 x Gigabit TX port for PoE IN</li> <li>• 1 x Gigabit TX for Data OUT</li> </ul>
<b>Network Cable</b>	<ul style="list-style-type: none"> <li>• UTP/STP Cat.5e or above Cable, EIA/TIA-568 (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>• PWR (Green) ON - Power is detected OFF - Power is not detected</li> <li>• 802.3bt (Green) ON - PoE IEEE 802.3 bt is detected OFF - PoE IEEE 802.3 bt is not detected</li> </ul>
<b>DIP Switch</b>	<ul style="list-style-type: none"> <li>• (UP / UP) 48VDC / 1.5A (default)</li> <li>• (DOWN / UP) 24VDC / 1.5A</li> <li>• (UP / DOWN) 16VDC / 1.5A</li> <li>• (DOWN / DOWN) 12VDC / 1.5A</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</li> </ul>
<b>PoE Power Input</b>	<ul style="list-style-type: none"> <li>• 15W/30W/60W/90W PoE power input</li> </ul>
<b>Power Output (V1, V2)</b>	<ul style="list-style-type: none"> <li>• 2 Power outputs - V1, V2</li> <li>• 48VDC (@52VDC input)</li> <li>• 24VDC</li> <li>• 16VDC</li> <li>• 12VDC</li> </ul>
<b>Removable Terminal Block</b>	<ul style="list-style-type: none"> <li>• Provide 4 pin terminal block for power output</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 or Wall Mount</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>• LVD (EN62368-1)</li> </ul>
<b>EMC</b>	<ul style="list-style-type: none"> <li>• CE, FCC, EN 55032/35</li> </ul>
<b>EMI</b>	<ul style="list-style-type: none"> <li>• CISPR 32, FCC Part 15B Class A</li> </ul>
<b>EMS</b>	<ul style="list-style-type: none"> <li>• IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV</li> <li>• IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV</li> <li>• IEC 61000-4-5 Surge: Power: 4KV; Signal: 2KV</li> </ul>
<b>Vibration</b>	<ul style="list-style-type: none"> <li>• EN 50155 / EN 60068-2-6</li> </ul>
<b>Shock</b>	<ul style="list-style-type: none"> <li>• EN 50155 / EN 60068-2-27</li> </ul>
<b>Free Fall</b>	<ul style="list-style-type: none"> <li>• EN 50155 / EN 60068-2-32</li> </ul>

## Dimension



## Ordering information

**RP-IPS1248** Industrial 1-port Gigabit 802.3bt 90W PoE Splitter

**REPOTEC CO., LTD.**

3F., No.258, Liancheng Rd., Zhonghe District., New Taipei City 235, Taiwan  
 TEL: 886-2-8227-1888 FAX: 886-2-8227-1818