



## RP-IPG541

### 5-P Gigabit Industrial Switch with 4 PoE ports

RP-IPG541 is an industrial 5 port Gigabit switch and equips with 4 PSE ports. RP-IPG541 complies with IEEE 802.3af/at standards supplying PoE power budget 30W per port up to total 120Watts. RP-IPG541 is well suited for heavy usage areas such as

hazardous environments or central control place where a reliable device is critical. It is an ideal solution for Industrial Automation, IP surveillance, traffic monitoring and a wide range of applications. It has been rigorously tested for your Security, Transportation and Telco applications in climatically demanding environments with wide temperature range from -40 to 75°C.

With IP30 industrial case protection, the RP-IPG541 provides a high level of immunity against corrosion and electromagnetic interference. RP-IPG541 also allows either DIN rail or wall mounting for efficient use of cabinet space.

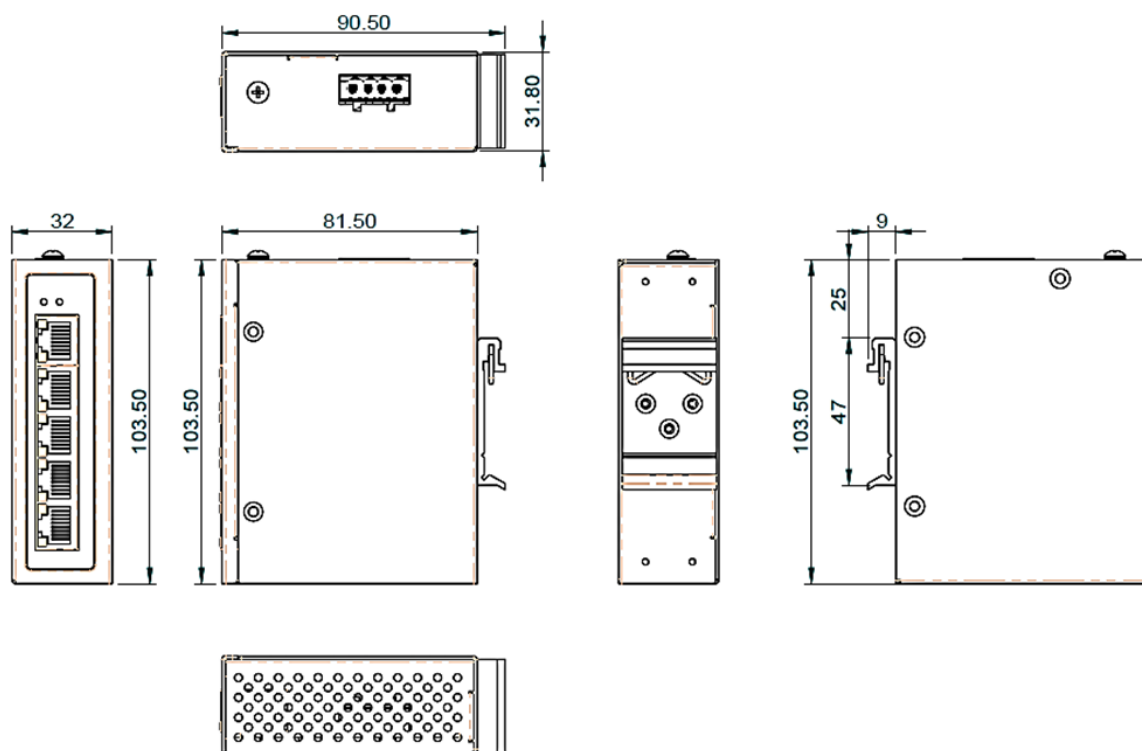
## Features

- Supports P.S.E. based on IEEE 802.3at up to 30 Watts per port
- RJ-45 port support Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- Support 48~56VDC power inputs for power redundancy
- Back-plane (Switching Fabric): 10Gbps
- 1M Memory Buffer
- 2K MAC Address Table
- Power Polarity Reverse Protect
- Overload Current Re-settable Fuse Present
- IP-30 Protection
- DIN Rail and Wall Mount Design
- Support Wide Operating Temperature -40°C~75°C
- 2kV Surge immunity

## 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>• IEEE802.3x Flow Control and Back Pressure,</li> <li>• IEEE802.3af for PoE; IEEE802.3at for PoE+</li> </ul>
<b>Switch Architecture</b>		<ul style="list-style-type: none"> <li>• Back-plane (Switching Fabric): 10Gbps</li> </ul>
<b>Data Processing</b>		<ul style="list-style-type: none"> <li>• Store and Forward</li> </ul>
<b>Flow Control</b>		<ul style="list-style-type: none"> <li>• IEEE 802.3x Flow Control and Back Pressure</li> </ul>
<b>Jumbo Frame</b>		<ul style="list-style-type: none"> <li>• 9KB</li> </ul>
<b>Memory Buffer</b>		<ul style="list-style-type: none"> <li>• 1M</li> </ul>
<b>Mac Address</b>		<ul style="list-style-type: none"> <li>• 2K MAC</li> </ul>
<b>Interface</b>		<ul style="list-style-type: none"> <li>• 5 x 10/100/1000 Mbps TP Jack (RJ-45) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex, 4 802.3af/at PoE</li> </ul>
<b>Network Cable</b>		<ul style="list-style-type: none"> <li>• UTP/STP above Cat.5e Cable</li> <li>• 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>• Per unit: Power 1 (Green), Power 2 (Green)</li> <li>• Per port: Link/Active (Green), PoE Detected (Amber)</li> </ul>
<b>Reserve 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>• 2.24W@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 input 48-56VDC</li> </ul>
<b>PoE power</b>		<ul style="list-style-type: none"> <li>• PoE power per port 30watts.</li> <li>• Maximum total power 120Watts with 56VDC input, Supports IEEE802.3af/at</li> </ul>
<b>Removable Terminal Block</b>		<ul style="list-style-type: none"> <li>• Provide 2 Redundant power, 4 Pin</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 81.5mm (LxWxD)</li> </ul>
<b>Housing</b>		<ul style="list-style-type: none"> <li>• Rugged Metal ,IP30 Protection</li> </ul>
<b>Installation</b>		<ul style="list-style-type: none"> <li>• DIN Rail and Wall Mount Design</li> </ul>
<b>Certification</b>	<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: 2KV; Signal: 2KV</li> </ul>
	<b>Stability Testing</b>	<ul style="list-style-type: none"> <li>• Vibration EN 60068-2-6, Shock EN 60068-2-27, Free Fall EN 60068-2-32</li> </ul>

## Dimension



## Ordering information

**RP-IPG541**      5-P Gigabit Industrial Ethernet Switch with 4 802.3at PoE ports