



## **RP-IPG504**

### **5-P Gigabit Flat type Industrial Switch w/ 4-P 802.3at PoE**

RP-IPG504 Industrial 5-port Gigabit PoE Flat Switch is a robust solution tailored for demanding environments. Equipped with 4 PSE ports delivering 30 watts per PoE port (a total of 120 watts), it's ideal for IP surveillance, traffic monitoring, and diverse applications. Its redundant dual DC power input ensures reliability, and it withstands extreme conditions with an operating range of -40°C to 75°C. The switch's compact design fits space-limited areas, and both DIN rail and wall mounting options enhance installation flexibility.

RP-IPG504 boasts convenient front access to ports, indicators, and power interfaces, simplifying installation and maintenance. Its rugged design tolerates high vibrations and shocks, perfect for challenging industrial settings. With 3 power input sources (PW1, PW2, and Power DIN), it offers adaptability, ensuring a consistent power supply. Its unique flat design and wall-mounting capability make it suitable for confined spaces, ensuring seamless integration.

The switch's industrial-hardened build, wide temperature tolerance, and various mounting options make it an adaptable and durable choice for industrial applications. Whether in harsh environments or constrained locations, the RP-IPG504 stands as a reliable and efficient solution, meeting the needs of technicians and system requirements with its advanced features.

## **Features**

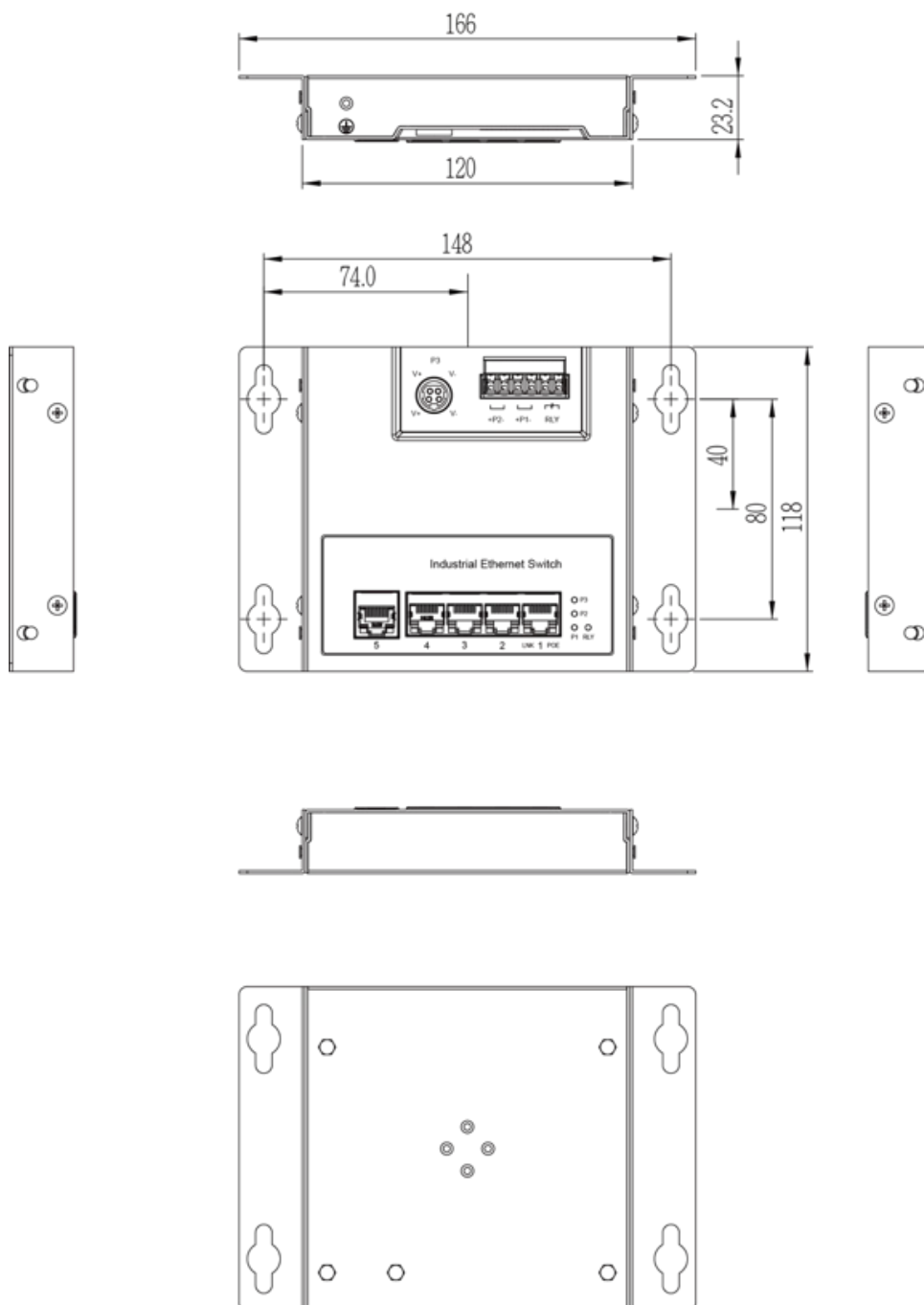
- Supports P.S.E. based on IEEE 802.3at up to 30 Watts per port
- RJ-45 port support Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- Support 48~56VDC power inputs for power redundancy
- Back-plane (Switching Fabric): 10Gbps
- 1M Memory Buffer
- 2K MAC Address Table
- Power Polarity 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 protector for Data / PoE port

## 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>• 1Mbits</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 10/100/1000Mbps TP Jack (RJ-45) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex, 4 802.3af/at PoE PSE port, 30W per port</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: PW1 (Green), PW2 (Green), PW3 (Green) for Power DIN, RLY (Amber)</li> <li>• Per port: Link/Active (Green), POE (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>• 5W@48VDC 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> </ul>
<b>Alarm Relay Contact</b>	<ul style="list-style-type: none"> <li>• Relay outputs with current carrying capacity of 1A @24VDC</li> <li>• Relay in open circuit mode when 2 powers are connected. in short circuit mode when only one power supply is connected</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 , Alarm relay contact ,6 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>Immunity</b>	<ul style="list-style-type: none"> <li>• 2KV surge protector for Data port</li> <li>• 2KV surge protector for PoE port</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>• 118 x 118 x 23.2mm (LxWxD)</li> </ul>

	<ul style="list-style-type: none"> <li>• 166 x 118 x 23.2 mm (LxWxD) (with brackets)</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 Mount or Wall Mount</li> </ul>
<b>EMC</b>	<ul style="list-style-type: none"> <li>• CE, FCC, EN 55032/24</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>Safety</b>	<ul style="list-style-type: none"> <li>• LVD(EN60950-1)</li> </ul>
<b>Stability Testing</b>	<ul style="list-style-type: none"> <li>• EN 60068-2-6 (Vibration), EN 60068-2-27 (Shock), EN 60068-2-32(Free Fall)</li> </ul>

## Dimension



## **Ordering information**

**RP-IPG504**      5-P Gigabit Industrial Flat Switch, w/ 4-P PoE+ (120W)