

## **RP-IPG404-2F**

### **4-P Gigabit 802.3at PoE + 2-100/1000M SFP Industrial Gigabit Flat type Switch**

RP-IPG404-2F Industrial 4-port Gigabit PoE Flat Switch is a versatile powerhouse designed to meet the demands of diverse applications. It features 4 PSE ports, each capable of delivering 30 watts of power, resulting in a total power output of 120 watts to PD devices. This makes it an excellent choice for IP surveillance, traffic monitoring, and various other use cases where power and connectivity are crucial. The switch's redundant dual DC 48V-56V power input ensures reliability, providing a dependable power source for uninterrupted operation.

RP-IPG404-2F excels in ease of use and convenience for technicians. With front access to ports, indicators, and power interfaces, installation, cable wiring, LED monitoring, and maintenance become highly efficient. Its innovative flat and wall-mounted cabinet design enables seamless integration into space-limited locations, such as shallow cabinets or small enclosures. This flexibility in installation options ensures that the switch can be conveniently placed in various environments, making it adaptable to the specific needs of different setups.

Built to withstand harsh conditions, the RP-IPG404-2F features industrial-hardened design, capable of tolerating high levels of vibration and shock. It operates effectively within a wide temperature range from -40°C to 75°C, ensuring performance even in challenging environments. The switch's ability to be installed via DIN rail or wall mounting further enhances its versatility, offering users the flexibility to choose the most suitable installation method based on their requirements. With its robust capabilities and adaptability, the RP-IPG404-2F stands as a reliable solution for powering and connecting devices in demanding scenarios.

## **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): 12Gbps
- 1M Memory Buffer
- 2K MAC Address Table



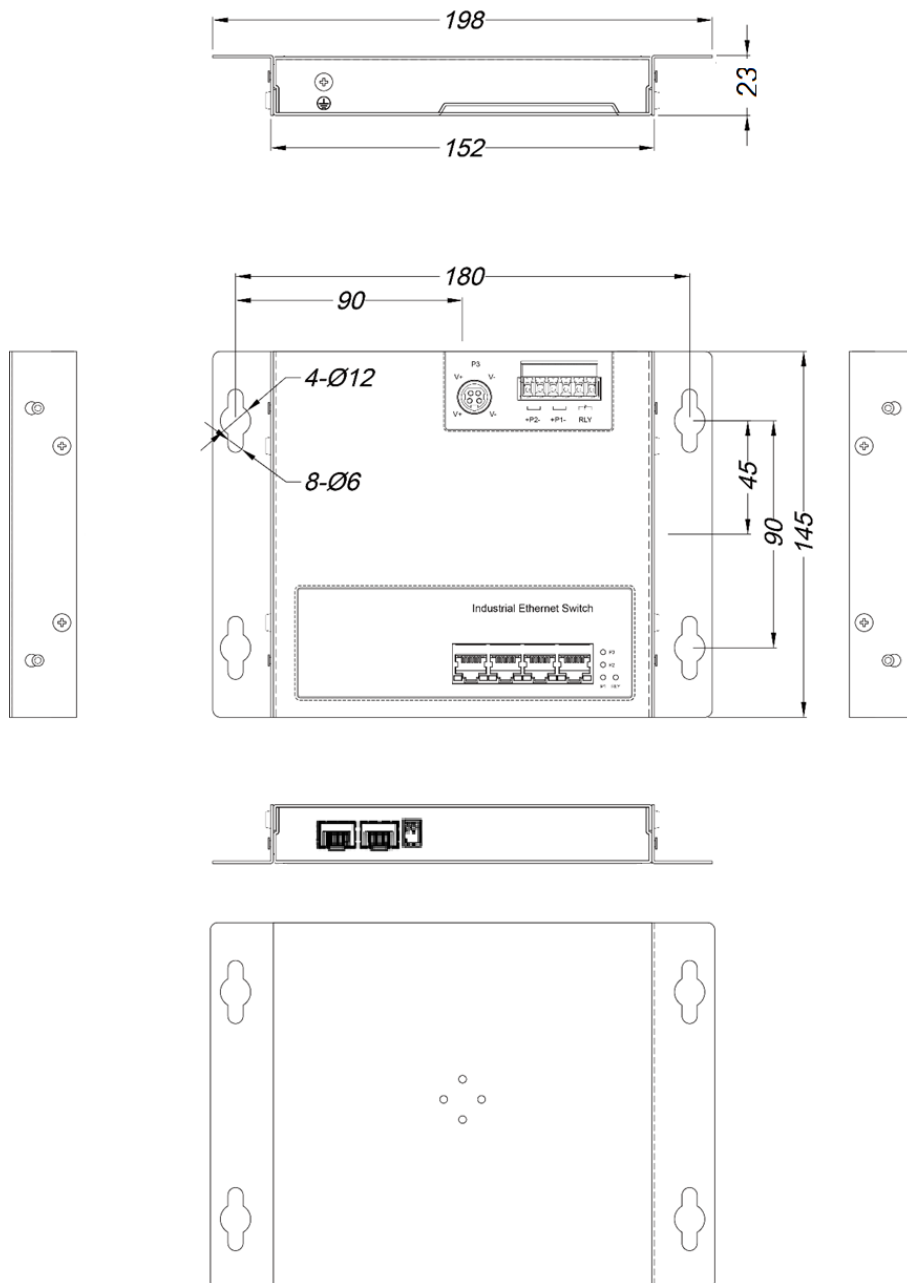
- Power Polarity Reverse Protect
- Overload Current Re-settable Fuse Present
- IP-30 Protection
- DIN Rail and Wall Mount Design
- Support Wide Operating Temperature -40°C~75°C
- 2KV surge protector for Data / PoE port

## 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): 12Gbps</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>• 10KB</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>• 1K MAC</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 4 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> <li>• 2 x SFP 100/1000M BaseX</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> <li>• Fiber Cable (Multi-mode):50/125um,62.5/125um</li> <li>• Fiber Cable (Single-mode): 9/125um</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> <li>• SFP Link (Green)</li> </ul>
<b>DIP Switch</b>	<ul style="list-style-type: none"> <li>• DIP 1: OFF: F6 SFP 1000M (DEFAULT); ON: F6 SFP 100M</li> <li>• DIP 2: OFF: F5 SFP 1000M (DEFAULT); ON: F5 SFP 100M</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>• 4.8W@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</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>• 150 x 145 x 23.2mm (LxWxD)</li> <li>• 198 x 145 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

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