RP-IPG808-2F

8-P Gigabit 802.3at PoE + 2-1000M SFP Industrial Gigabit Flat type Switch

RP-IPG808-2F Industrial 8-port Gigabit PoE Flat Switch is a high-performance solution built for demanding applications. It boasts 8 PSE ports, each capable of delivering a substantial 30 watts of power, resulting in a robust total power output of 240 watts for PD devices. Specifically designed for IP surveillance and traffic monitoring, this switch addresses a wide range of requirements across various applications. It offers redundant dual DC power input with a voltage range of 48V to 56V, ensuring continuous and reliable operation in challenging environments.

With its user-friendly design, the RP-IPG808-2F streamlines installation and maintenance for technicians. Front access to ports, indicators, and power interfaces simplifies the setup, cable management, LED monitoring, and routine upkeep, providing significant convenience. The switch's unique flat and wall-mounted cabinet design enhances its adaptability, allowing it to fit seamlessly in space-limited locations, such as shallow cabinets or small enclosures. This design versatility ensures that the switch can be conveniently positioned based on specific installation needs.

RP-IPG808-2F exhibits industrial-hardened construction, capable of withstanding significant vibrations and shocks. Operating efficiently within a wide temperature range from -40°C to 75°C, it excels even in harsh environments. The switch offers flexible installation options, whether via DIN rail or wall mounting, allowing users to tailor its placement according to the environment's demands. With its substantial power delivery, wide operating temperature tolerance, and adaptable installation, the RP-IPG808-2F proves itself as a reliable, versatile solution, ideal for powering and connecting devices in challenging industrial 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
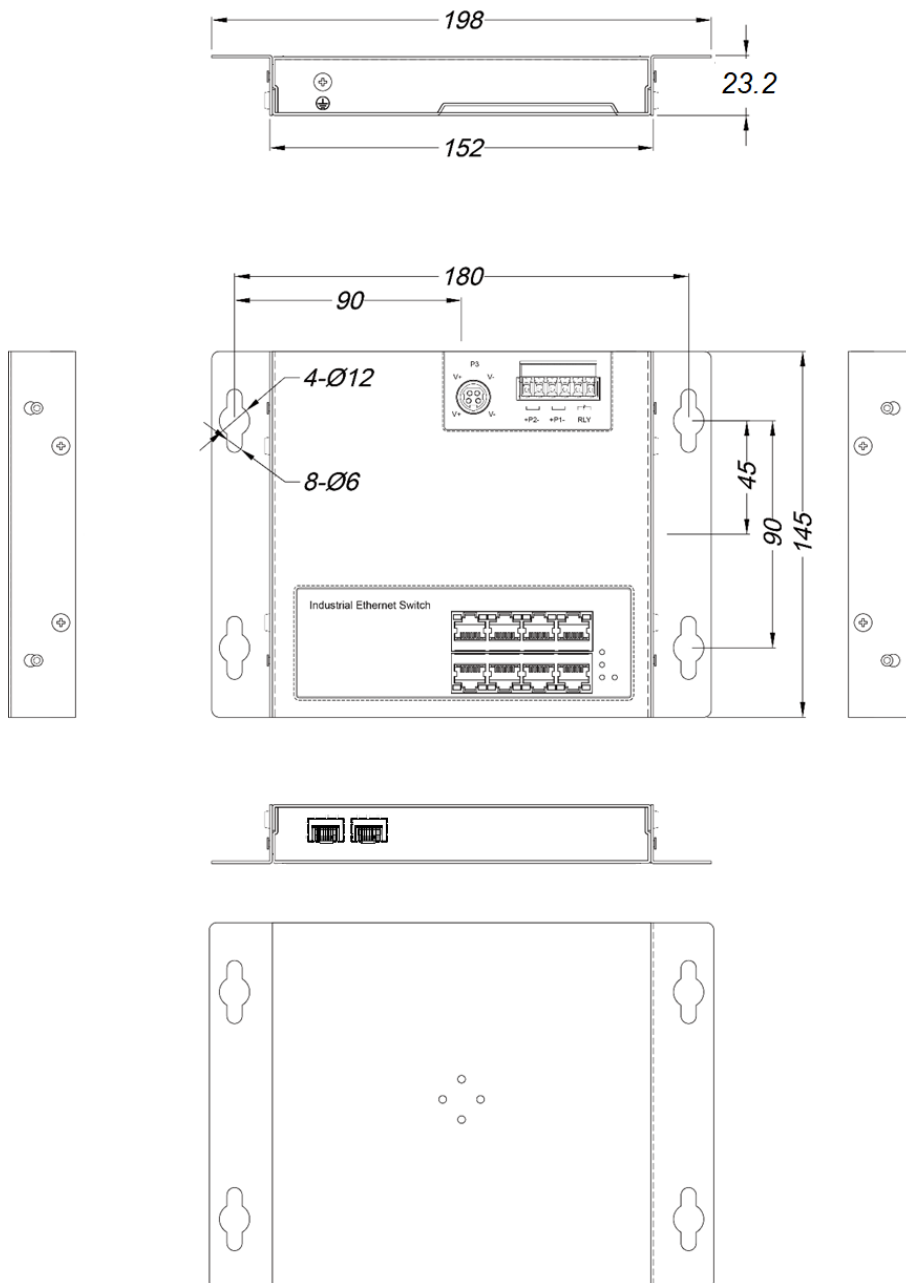- Back-plane (Switching Fabric): 20Gbps

- 2M Memory Buffer
- 11K 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

Standards	- IEEE 802.3 10Base-T Ethernet - IEEE 802.3u 100Base-TX Fast Ethernet - IEEE 802.3ab 1000Base-T Gigabit Ethernet - IEEE 802.3z 1000Base-X Gigabit Ethernet - IEEE802.3x Flow Control and Back Pressure, - IEEE802.3af for PoE; IEEE802.3at for PoE+
Switch Architecture	• Back-plane (Switching Fabric): 20Gbps
Data Processing	• Store and Forward
Flow Control:	• IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	• 10KB
Memory Buffer	• 2Mbits
Mac Address	• 11K MAC
Interface	8 x 10/100/1000Mbps TP Jack (RJ-45) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex, 8 802.3af/at PoE PSE port, 30W per port 2 x 1000M SFP
Network Cable	- UTP/STP Cat 5e or above Cable EIA/TIA-568 10-ohm (100m) - Fiber Cable (Multi-mode):50/125um,62.5/125um Fiber Cable (Single-mode): 9/125um
Protocol	• CSMA/CD
LED Indicators	- Per unit: PW1 (Green), PW2 (Green), PW3 (Green) for Power DIN, RLY (Amber) - Per port: Link/Active (Green), PoE (Amber) - SFP Link (Green)
DIP Switch	- DIP 1: OFF: F10 SFP 1000M (DEFAULT); ON: Reserved - DIP 2: OFF: F9 SFP 1000M (DEFAULT); ON: Reserved
Reserve polarity protection	• Present
Overload current protection	• Present
Power Consumption	• 4.8W@48VDC full load, Without PoE

Power Supply	● Redundant Dual DC 48V-56V Power Input
Alarm Relay Contact	● Relay outputs with current carrying capacity of 1A @24VDC ● Relay in open circuit mode when 2 powers are connected. in short circuit mode when only one power supply is connected
POE power	● POE power per port 30watts. ● Maximum total power 240Watts with 56VDC input, Supports IEEE802.3af/at
Removable Terminal Block	● Provide 2 Redundant power , Alarm relay contact ,6 Pin ● Wire range: 0.34mm^2 to 2.5mm^2 ● Solid wire (AWG):12-24/14-22 ● Stranded wire(AWG): 12-24/14-22 ● Torque:5lb-In/0.5Nm/0.56Nm ● Wire Strip length: 7-8mm
Immunity	● 2KV surge protector
Environment	● Operating temperature : -40°C~75°C ● Storage temperature: -40°C ~85°C ● Operating Humidity: 5% to 95% (Non-Condensing)
Dimension	● 150 x 145 x 23.2mm (LxWxD) ● 198 x 145 x 23.2 mm (LxWxD) (with brackets)
Housing	● Rugged Metal, IP30 Protection
Installation	● DIN Rail Mount or Wall Mount
EMC	● CE, FCC, EN 55032/24
EMI	● CISPR 32, FCC Part 15B Class A
EMS	● IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV ● IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV ● IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV
Safety	● LVD(EN62368-1)
Stability Testing	● EN 60068-2-6 (Vibration), EN 60068-2-27 (Shock), EN 60068-2-32(Free Fall)

Dimension

Ordering information

RP-IPG808-2F   8-P Gigabit+ 2 SFP slot Industrial PoE+ Flat Switch (240W)