

Foreedge

**8-Port Gigabit Industrial
POE Switch
IS108GP-2F**

Product brochure

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Product Introduction :

IS108GP-2F is a 8-port Gigabit industrial POE switch. It provides 8 Gigabit PoE ports and 2 Gigabit optical ports. It can achieve EMC industrial level 4 protection performance. Effectively resist the interference of static electricity, lightning strike and pulse; corrugated high-strength aluminum profile shell, IP40 grade, low power consumption design, anti-vibration guide rail installation, wide temperature design, can work in harsh environments. This series of products are especially suitable for intelligent transportation, energy, electricity, security and other harsh industrial occasions, providing them with fast and reliable communication connections.



Main Spec :

Port 6KV lightning protection

- All ports support 6KV lightning protection, support power supply over-temperature protection, over-voltage protection, surge current protection and other protection features.

Data transmission feature

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provide 2 gigabit SFP uplink optical ports at the same time.
- Supports IEEE 802.3x full-duplex flow control and half-duplex backpressure flow control.
- Supports auto-flipping of upstream ports (Auto MDI/MDIX).

PoE Features

- Compliant with the IEEE802.3af&at standard, the maximum PoE power of a single port is 30W.
- Support PoE short circuit protection, over current protection, over temperature protection, etc.
- Support AI PoE, restarts a PoE powered device if no data passes through the port for a set time.

High reliability protection level, suitable for various complex environments

- IP40 protection, corrugated high-strength metal shell.
- Satisfy the wide temperature working environment of -40 ~ 75°C .
- Support dual DC power backup, built-in overvoltage protection, and power supply support anti-reverse connection.

Industry Standard

EMI: FCC CFR47 Part 15, EN55022/CISPR22, Class A

EMS:

IEC61000-4-2 (ESD): $\pm 8\text{kV}$ (contact), $\pm 15\text{kV}$ (air)

IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)

IEC61000-4-4 (EFT): Power Port: $\pm 4\text{kV}$; Data Port: $\pm 2\text{kV}$

IEC61000-4-5 (Surge): Power Port: $\pm 2\text{kV/DM}$, $\pm 4\text{kV/CM}$; Data Port: $\pm 6\text{kV}$

IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)

IEC60068-2-6 (Vibration)

IEC60068-2-27 (Shock)

IEC60068-2-32 (Free Fall)

Product Specifications :

Hardware Specifications	
Network Interface	<ul style="list-style-type: none"> ● 8 * 10/100/1000Mbps RJ45 port ● 2 * SFP port
Network protocol standard	<ul style="list-style-type: none"> ● IEEE802.3、IEEE802.3i、IEEE802.3u、IEEE802.3ab、IEEE802.3z、IEEE802.3af/at
Performance Specifications	<ul style="list-style-type: none"> ● Backplane bandwidth: 20Gbps (non-blocking) ● Packet forwarding rate: 14.88Mpps ● MAC address table: 8K ● Forwarding mode: store and forward
LED indicator	<ul style="list-style-type: none"> ● Power indicator: P1, P2 ● Ethernet port indicator: Link&Act 1~4, PoE 1~8 ● Optical port indicator: Link&Act F1~F2
POE pin	<ul style="list-style-type: none"> ● 1/2 (+) , 3/6(-) ;
Power support	<ul style="list-style-type: none"> ● Input voltage: 48-56V DC ● Input method: plug-in 4-core 5.08mm pitch terminal block (support dual DC Power backup, built-in overvoltage protection, support anti-reverse connection) No-load power: 6W@52V DCoutput) ● Full load power: 186W@52V DC (POE full load) ● Single-port PoE maximum output power: 30W
Physical Specifications	<ul style="list-style-type: none"> ● Shell: IP40 grade protection, corrugated high-strength metal shell ● Installation: DIN rail installation ● Dimensions (LxWxH): 166mm×44.5mm×100mm
Environmental Specifications	<ul style="list-style-type: none"> ● Working temperature: -40~75°C ● Storage temperature: -40~75°C ● Working humidity: 5%~95% RH without condensation ● Storage humidity: 5%~95% RH without condensation
Safety regulations	<ul style="list-style-type: none"> ● CE/ROHS/FCC