



6-Port Gigabit Industrial POE Switch IS104GP-2F

P r o d u c t b r o c h u r e

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Product Introduction :

IS104GP-2F is a 6-port Gigabit industrial POE switch. It provides 4 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"> • 4 * 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: 12Gbps (non-blocking) • Packet forwarding rate: 8.9Mpps • MAC address table: 4K • 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 1~4 • 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: 5W@52V DCoutput) • Full load power: 125W@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): 150mm×127mm×40mm
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