HORED丰润达®

6-Port Gigabit Industrial POE Switch
IS104GP-2F

Product brochure

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℃ .
• 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): ±8kV (contact), ±15kV (air)
IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV
IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±6kV
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	● 4 * 10/100/1000Mbps RJ45 port ● 2 * SFP port
Network protocol standard	● IEEE802.3、 IEEE802.3i、 IEEE802.3u、 　IEEE802.3ab、 IEEE802.3z、 　IEEE802.3af/at
Performance Specifications	● Backplane bandwidth: 12Gbps (non-blocking) ● Packet forwarding rate: 8.9Mpps ● MAC address table: 4K ● Forwarding mode: store and forward
LED indicator	● Power indicator: P1, P2 ● Ethernet port indicator: Link&Act 1~4, PoE 1~4 ● Optical port indicator: Link&Act F1~F2
POE pin	● 1/2（+），3/6/(-)；
Power support	● 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	● Shell: IP40 grade protection, corrugated high-strength metal shell ● Installation: DIN rail installation ● Dimensions (LxWxH)：150mm×127mm×40mm
Environmental Specifications	● Working temperature: -40~75℃ ● Storage temperature: -40~75℃ ● Working humidity: 5%~95% RH without condensation ● Storage humidity: 5%~95% RH without condensation
Safety regulations	● CE/ROHS/FCC