



6-Port Gigabit unManaged

Industrial POE Switch

IS104GP-2F



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.

Features:

Standards

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)

Switching characteristics

MAC address table : 8K

100M forwarding speed: 148810pps

Gigabit forwarding speed: 1488100pps

Maximum filtering speed at 100M: 148810pps

Gigabit maximum filtering speed: 1488100pps

Transmission mode: store and forward

Backplane bandwidth: 12 Gbps

Switching Delay: <5us

Communication Interface

Optical port : 2*1000Base-X (SFP)

RJ45 port : 4*10/100/1000Base-Tx RJ45 PoE ports

Front panel indicator

Power indicator: P1, P2

System indicator: SYS

Alarm indicator: ALM

Interface indicator: Link & Access F1~ F2

Network port indicator: POE, Link&Act 1~4

Power supply

Input voltage: 48-56 V DC

Input mode: pluggable 5-core 5.08 mm pitch terminal block

Support dual DC power backup, built-in overcurrent protection

Power supply supports reverse polarity protection

Power consumption (optional)

No-load power: 5W@52V DC

Full load power: 125W@52V DC (including POE output)

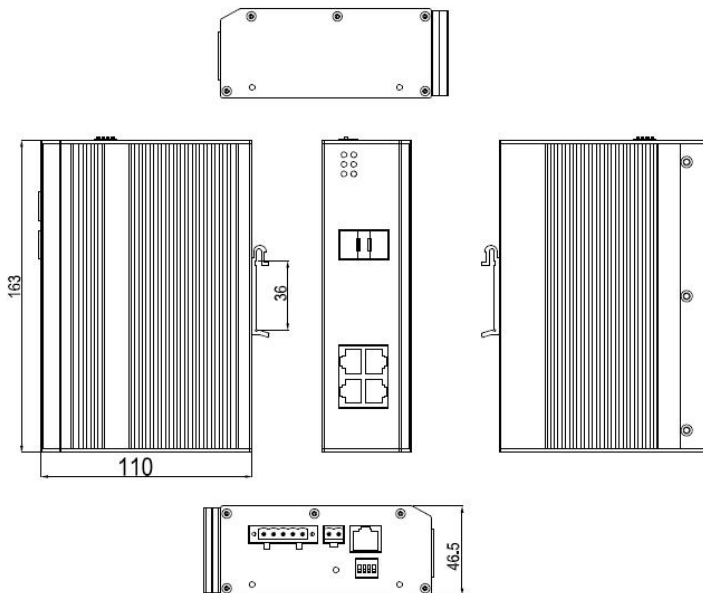
Physical properties

Housing: IP40 protection, corrugated high-strength metal housing

Installation: DIN rail installation

Dimensions (L × W × H): 150 mm × 127 mm × 40 mm

Weight: 0.7 kg



Industry standard

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Working environment

Operating temperature: $-40 \sim 75\text{ }^{\circ}\text{C}$

Storage temperature: $-40 \sim 75\text{ }^{\circ}\text{C}$

Relative humidity: $5\% \sim 95\%$ (no condensation)

Certification

CE, FCC, RoHS

Mean time between failures

360,000 hrs

Installation method:

Before installation, you must confirm the operating environment of the equipment: power supply voltage, installation space, installation method, etc. Please carefully confirm the following installation requirements:

- ✧ Check that the required cables and connectors are present for installation
- ✧ According to reasonable configuration requirements, check whether the cables are in place (no more than 100m)
- ✧ The product does not provide installation components. Users need to prepare the components of the selected installation type: screws, nuts and tools, etc. to ensure reliable installation

Power requirement: 48-56V DC

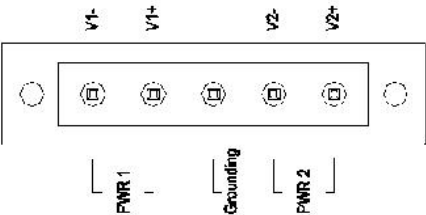
Environmental requirements :

Working temperature: -40~75℃

Storage temperature: -40~75℃

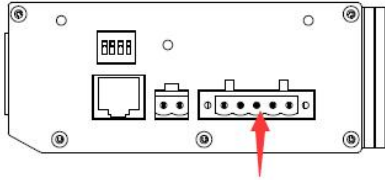
Relative humidity: 5% to 95% (no condensation)

Power access



- 5pin 5.08mm terminal
- Input range: 48-56VDC
- P1&P2 dual redundant power supply,
- Support reverse connection protection function

Ground protection



Connect the ground terminal

Rail installation

