



## **DGS-F1008P-2S**

# **8-Port Unmanaged Industrial Gigabit PoE Switch**

8-port industrial Gigabit POE switch that provides 8 Gigabit POE ports, 2 Gigabit optical ports, plug and play. This switch can be used as a power supply unit (PSE), max 30W each port, suitable for IEEE802.3af /at compatible powered devices (PDs), achieve EMC Industry Level 4 protection. It can effectively resist static, lightning and pulse interference; corrugated high-strength aluminum profile housing, IP40 grade, low power design, seismic rail mounting, wide temperature design, can work in harsh environments; this series is especially suitable for intelligent Provides fast and reliable communication links in harsh industrial situations such as transportation, energy, electricity, and security.

## Technical Specifications

### Characteristics

Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-T IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.3af/at	
Exchange Characteristics	MAC address table: 8K Port Cache: 2Mbit 100 Mbps forwarding speed 148810pps Gigabit forwarding speed 1488100pps 100M maximum filter speed: 148810pps	Gigabit maximum filtration speed: 1488100pps Transmission method: Store and forward Backplane bandwidth: 20Gbps Switching Delay: <5us
Port	Optical port: 2 1000Base-X (SFP) RJ45 port: 8 10/100/1000Base-Tx RJ45 ports	
Front Panel Indicator	Interface indicator: Link&ACT(1~8/F1~F2) Power indicator: PWR	
Power Supply	Input voltage: 48V~56VDC Input method: plug-in type 4-core 5.08mm pitch terminal block Support dual DC power backup, built-in over current protection Power supply support anti-reverse connection	
Power Consumption	No-load power: 6W@48VDC Full load power: 96W@48VDC (including POE output)	
Physical Characteristics	Housing: IP40 grade protection, corrugated high strength metal housing Installation: DIN rail mounting Dimensions (length × width × height): 150*127*40mm Weight: 0.8kg	
Industry Standard	EMI: FCC CFR47 Part 15, EN55022/CISPR22, Class A EMS: IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC60068-2-6 (Vibration) IEC61000-4-3 (RS): 10V/m (80MHz-2GHz) IEC60068-2-27 (Shock) IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV IEC60068-2-32 (Free Fall) IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) EC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)	
Working Environment	Working temperature: -40~75°C Storage temperature: -40~75°C Relative humidity: 5%~95% (no condensation)	
Certification	CE, FCC	
Mean time between failures	360,000 hrs	
Warranty	3 years	

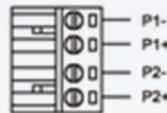
### Installation Method

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

- Check if there are cables and connectors required for installation
- Check whether the cable is in place (not more than 100m) according to reasonable configuration requirements.
- The product does not provide installation components. Users need to prepare components of the selected installation type:  
Screws, nuts and tools to ensure reliable installation.

Power requirement	48VDC
Environmental requirements	Working temperature: -40 to 75 °C Storage temperature: -40 to 75 °C Relative humidity: 5% to 95% (no condensation)

### Power Access

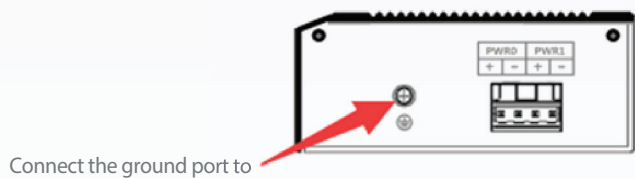


4pin 5.08mm terminal

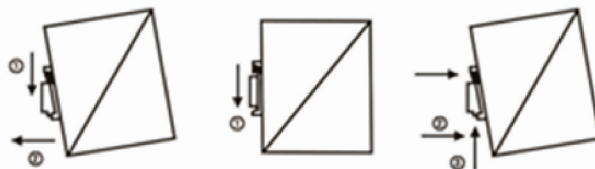
Input range: 12-56VDC

P1&P2 dual redundant power supply,  
Support reverse connection protection

### Ground Protection



### Rail Mounting



### Ordering Information

Model	Description
DGS-F1008P-2S	8-Port Unmanaged Industrial Gigabit PoE Switch