

Industrial Grade PoE Switch

1 port 10/100/1000Mbps PoE + 1 port 1000Mbps SFP Fiber (DF-1FG-1GPI)

Overview

Industrial PoE switch, 1 Port 10/100/1000Mbps PoE ports and 1 port 1000Mbps SFP, for connecting with devices like computer, switch, hub, server, etc, as well as powering network camera, industrial VoIP phone, wireless AP and other PoE supported devices.

Specially designed for harsh outdoor applications. Its 6KV network port surge protection can adapt to harsh outdoor environment and ensure the reliability of the uninterrupted PoE system. Power input also chooses industry-standard types of power



Features

- 1 Port 10/100/1000Mbps POE , 1 port 1000Mbps SFP
- 1 Port support PoE, supports IEEE 802.3af(15.4W),IEEE802.3at PoE (30W)
- Automatic MAC address learning and aging
- Automatically support IGMP (Multicasting)
- 10/100/1000Mbps Auto-negotiation , auto-MDI-MDI-X
- LED indicators for monitoring power/link/activity
- Supports 10/100/1000Mbps-Full/Half-duplex
- Supports DIN-Rail and Wall mounting installation
- Supports Daisy-Chain connection
- Supports Broadcast Storm Control
- Supports Relay output for power failure
- Supports QoS and ensuring the transmission of VoIP packets;
- Super lightning protection, IP40 protection.

- Excellent heat elimination without cooling fan.
- Redundant dual DC power inputs.
- Apply to Urban Intelligent Traffic Monitoring System (ITS), Safe City.
- Harsh industrial environment or higher requirement
- 6KV port Lightning protection
- -40℃~+85℃ operating temperature range.

Technical Specification

Product Name	1 Port 10/100/1000M Industrial PoE Switch
Product Model	DF-1FG-1GPI
Interface	1x 10/100/1000Base-T POE port + 1x 1000Mbps SFP slot
Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x; IEEE802.3af,IEEE802.3at
PoE Specification	PoE Standard: IEEE802.3af/ IEEE802.3at
	PoE ports: 1 port support PoE
	Power Output: Max. 15.4 watts (IEEE 802.3af) Max. 30 watts (IEEE 802.3at)
	PoE port Auto detect AF/AT devices
	Output Voltage: DC48-57V
	Power Pin Assignment:1/2+;3/6-
	Power Type: End-span(Mid-span optional)
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-TX: Cat6 or later UTP(≤100 meter)
Fiber Media	Multi-mode: 2KM Single-mode: 20/40/60/80KM
Performance Specification	Bandwidth: 10Gbps Packet Buffer Memory:1M Packet Forwarding Rate:1488000pps/port MAC Address Table: 8K
Forwarding Mode	Store-and-Forward
Protection	6KV Lightning protection, IP40 protection
LED Indicators	Power: PWR; Link; PoE; Link/Act
Power Supply	Input Voltage: DC48~57V (PoE) /Terminal block DC12~48V (Converter) /Terminal block

Other Specifications

Working Environment	Working temperature: -40~+85℃ ; Storage temperature: -40~+85℃ Relative Humidity: 5%~95 %(no condensation)
Industry Standard	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: ±2kV IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
Shell	IP40 protect grade, metal shell
Installation	DIN-Rail or Wall mounting
Packing List	1×Industrial PoE Switch (plus terminal block) 1×User Manual/Certificate of quality/Warranty card 1×DIN-Rail mounting kit
Certification	CE mark, commercial; FCC Part 15 Class B; VCCI Class B EN 55022 (CISPR 22), Class B
MTBF	300,000 hours
Weight & Size	Product Weight: 0.36 KG Packing weight: 0.46KG Product size (L×W×H): 12.5cm× 10.4cm× 3.4cm Packing size(L×W×H): 17cm× 13.5 cm× 5.5cm
Warranty	5-years