

DP1026GF-2448

8-Port 10/100/1000BaseT (PoE) + 2-Port 1000FX (SFP)

Industrial Gigabit PoE Switch

- Supports Input Power of 24VDC~48VDC
- 8-port IEEE 802.3af/at PoE standards
- Support total PoE output power at max.100W for 8 ports
- 2-port Gigabit fiber SFP connectors
- Dual input power of Power Din and Terminal Block
- Wide operating temperature range from -40°C to 75°C
- 6KV surge protection and grounding pin supported



OVERVIEW

DP1026GF-2448 is an 8-port 10/100/1000BaseT PoE and 2-port 1000Mbps SFP Industrial Gigabit IEEE 802.3af/at PoE Switch for power input from 24VDC~48VDC upto 120W. It supports a total PoE output power budget at maximum 100W for the 8-port RJ45 Gigabit connections. This slim switch is designed with Wall-mountable or DIN rail mountable, making installation easy and simple.

Besides redundant power supply with overload current protection, it embeds with power din and 6-pin terminal block to prevent from power failure event and with sufficient power of up to 5A. It supports dual power backup to ensure system power loss immunity.

With 24V 120W input power, the 8-port 10/100/1000Base-T PoE Switch may support up to 30W for each PoE port and with a total power budget of maximum 100W for all the 8 PoE ports. For input voltage higher than 24V, the maximum input power is at 100W.

The DP1026GF-2448 is designed to meet with critical network environment with IP 30 enclosure and test under extensive Industrial EMI and Safety standards. It also passed stability testing such as free fall, shock and vibration.

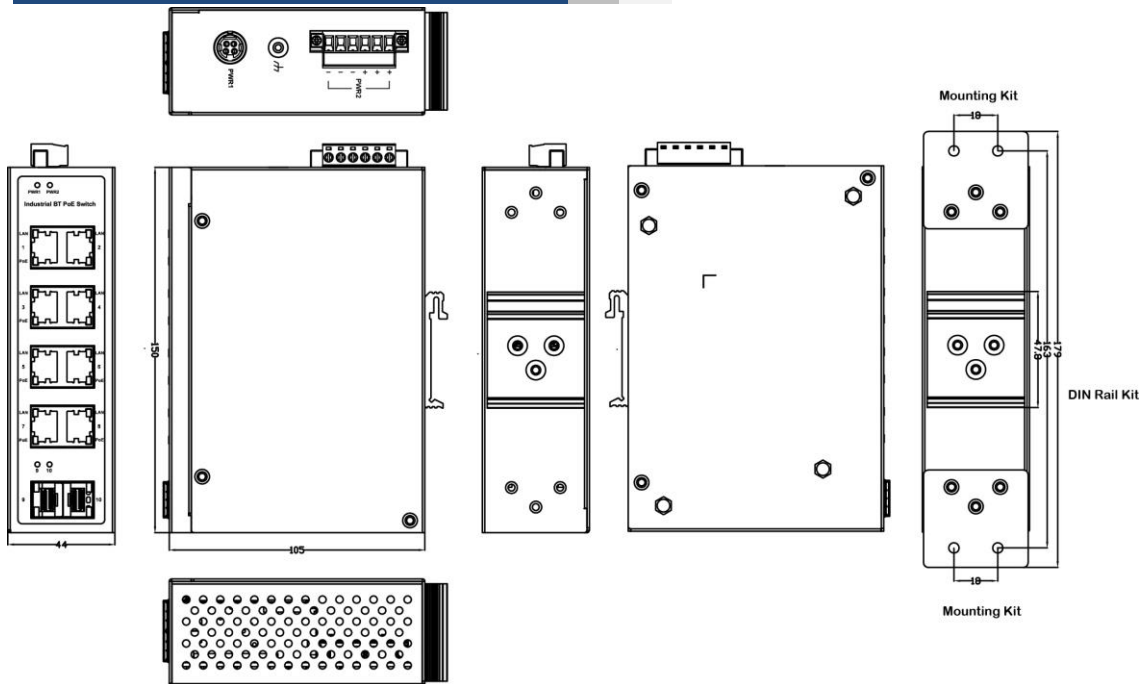
The DP1026GF-2448 can be used in extreme environments with an operating temperature range of -40°C to 75°C.

FEATURES & BENEFITS

- **System Interface/Performance**
 - RJ-45 port support Auto MDI/MDI-X Function
 - Store-and-Forward Switching Architecture
 - Back-plane (Switching Fabric): 20Gbps
 - 8K MAC address table
- Supports Wide Operating Temperature (-40°C~75°C)
- IP-30 Metal Housing with DIN Rail and Wall Mount Design
- 24VDC~48VDC Redundant Power Input (Power Din & Terminal Block) up to 5 Amp for power backup
- Polarity reverse protection & removable terminal block
- 8-Port IEEE802.3af/at PoE Standards
- Support upto 30W for each PoE port
- 2-Port Gigabit Fiber SFP connector

Industrial Gigabit PoE Switch

DIMENSIONS



SPECIFICATIONS

| | | | |
|-------------------|---|-----------------------------|---|
| IEEE Standards | IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX /FX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX IEEE802.3x Flow Control and Back Pressure IEEE 802.3bt/at/af, PoE++ | Weight | 620g |
| Switch Properties | Back-plane (Switching Fabric): 20Gbps Packet throughput ability (Full-Duplex): 1,488,100pps @64bytes | LED | Power Indicator Green x2 for PWR1 and PWR2 LAN Green ON/Flashing for 1000M Link/Act Amber ON/Flashing for 10/100Mbps Link/Act PoE Amber ON for PoE |
| Transfer Rate | 14,881pps for Ethernet port 148,810pps for Fast Ethernet port 1,488,100pps for Gigabit Ethernet port | Power Supply | 24VDC~48VDC 120W, Redundant power with Power Din Connector PWR1 and 6-pin Terminal Block PWR2 up to 5 Amp |
| Connectors | 10/100/1000TX: 8 x RJ-45 with auto MDI/MDI-X function 1000M fiber: 2 x 1000Mbps SFP slot for Single-mode or Multi-mode type fiber cable | PoE Power output | With 24V 5A input: Max. PoE total budget 100W With 48V 2.5A input: Max. PoE total budget 100W for all the 8 PoE ports. |
| MAC Address | 8K MAC addresses | Power Consumption | 3.76 Watts (System Full load: Ethernet Only) |
| Processing | Store-and-Forward | Overload Current Protection | Present |
| Network Cable | 10BaseT: 2-pair UTP/STP Cat. 3, 4, 5, 6 cable EIA/TIA-568 100-ohm (100m) 100/1000BaseT: 2-pair UTP/STP Cat. 5e, 6 cable EIA/TIA-568 100-ohm (100m) | Polarity Reverse Protection | Present |
| Optical Cable | Multi-mode: 50/125um~62.5/125um Single-mode: 9/125um Available distance: 2km (Multi-mode) / 30km (Single-mode) Wavelength: 1310nm (Multi-mode/Single-mode) | Operating Humidity | 5% to 95% Non-condensing |
| Protocol | CSMA/CD | Operating Temperature | -40°C~75°C / -40°F~167°F |
| Case Dimension | Metal case, IP-30; 44mm(W)x105mm(D)x150mm(H) | Storage Temperature | -40°C~85°C / -40°F~185°F |
| | | EMI/EMS | FCC Class A EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 CE EN55022 Class A, CE EN55024 |
| | | Stability Testing | IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration) |
| | | Warranty | 2 years |