

DE1026GF

8-Port 10/100/1000TX(UTP) + 2-Port 1000FX (SFP)

Industrial Gigabit Ethernet Switch

- IEEE802.3u/a/b 10/100/1000Base-T standards
- IEEE802.3z 100/1000Base-FX/SX/LX SFP standards
- Redundant power supply with overload current protection
- Dual input power of power din and terminal block
- Wide operating temperature range from -40°C to 75°C
- Supports input power of 12VDC ~ 48VDC
- 6KV surge protection and Earth grounding pin supported



OVERVIEW

DE1026GF is an 8-port 10/100/1000TX and 2-port 1000M SFP Industrial Gigabit Ethernet Switch for plug-and-play installation. This slim switch is designed with Wall-mountable or DIN rail mountable, making installation more easy.

Besides redundant power supply with overload current protection, it embeds with power din and 6-pin terminal block to prevent power failure event and sufficient power of up to 10A. It can perform dual power backup to ensure system power loss immunity.

The DE1026GF 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.

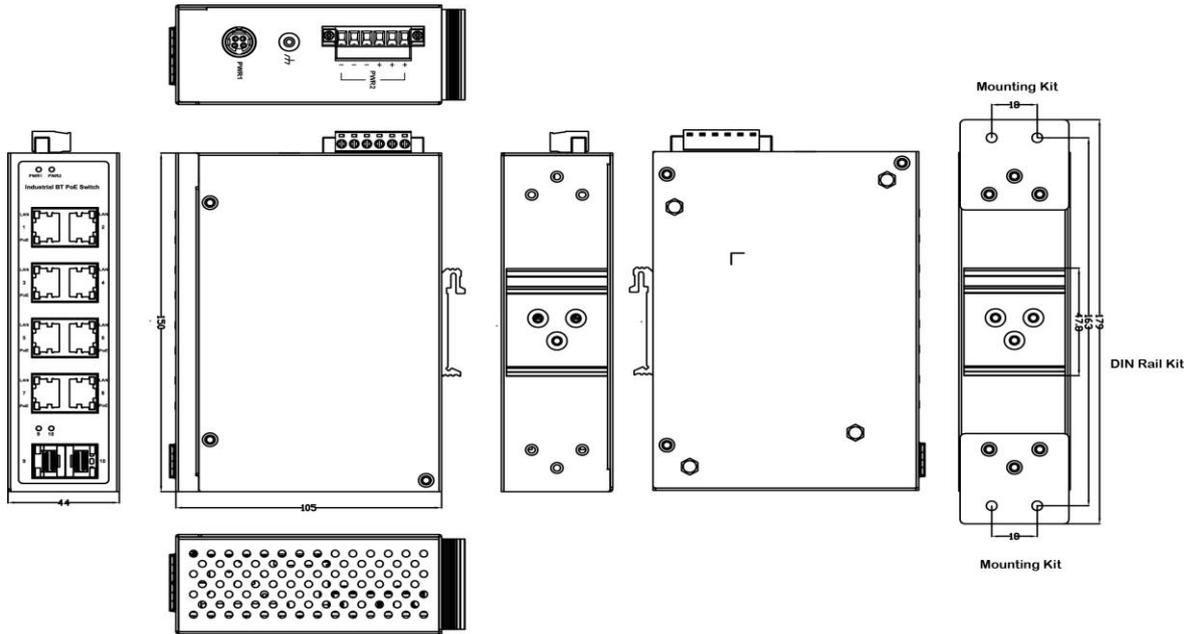
The DE1026GF can be used in extreme environments with an operating temperature range of -40°C to 75°C.

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
- 12VDC~48VDC Redundant Power (Power Din & Terminal Block) up to 10 Amp for backup with each other
- Polarity reverse protection & removable terminal block

DIMENSIONS

Industrial Gigabit Ethernet Switch



SPECIFICATION

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++	LEDs	Power Indicator Green LED x 2 for PWR 1 and PWR 2 LINK / ACT Green for 1000M, or Amber for 10/100Mbps
Switch Properties	Back-plane (Switching Fabric): 20Gbps Packet throughput ability (Full-Duplex): 1,488,100pps @64bytes	Power Supply	12VDC~48VDC, Redundant power with polarity reverse protect function and removable terminal block PWR 1 (Power Din), PWR 2 (6-pin Terminal Block) up to 10 Amp
Transfer Rate	14,881pps for Ethernet port 148,810pps for Fast Ethernet port 1,488,100pps for Gigabit Ethernet port	Case Dimension	Metal case, IP-30; 44mm(W)x105mm(D)x150mm(H)
Connectors	10/100/1000TX: 8 x RJ-45 with auto MDI/MDI-X function 1000M fiber: 2 x 1000M SFP slot for Single-mode or Multi-mode type fiber cable	Weight	620g
MAC Address	8K MAC addresses	Consumption	4.76 Watts (Full load Ethernet)
Processing	Store-and-Forward	Operating Humidity	5% to 95% Non-condensing
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5, 6 cable EIA/TIA-568 100-ohm (100m) 100/1000Base-TX: 2-pair UTP/STP Cat. 5, 6 cable EIA/TIA-568 100-ohm (100m)	Operating Temperature	-40°C~75°C / -40°F~167°F
Optical Cable	Multi-mode: 50/125um~62.5/125um Single-mode: 9/125um Distance: 2km (Multi-mode)/30km (Single-mode) Wavelength: 1310nm (Multi-mode/Single-mode)	Storage Temperature	-40°C~85°C / -40°F~185°F
Protocol	CSMA/CD	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
MDI / MDIX	Auto MDI / MDIX	Stability Testing	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Data Link Speed	Auto Negotiation	Warranty	2 years

ORDERING INFORMATION

- **DE1026GF** : 8x 10/100/1000Base-T(UTP) + 2x 1000FX(SFP) Industrial Gigabit Switch; Input Power 12VDC~48VDC; -40°C~75°C;