

# DB1026GF

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

Industrial Gigabit BT PoE Switch

- IEEE 802.3bt/PoE++/POH standard
- 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 48VDC ~57VDC
- 6KV surge protection and grounding pin supported



## OVERVIEW

DB1026GF is a 8-port 10/100/1000TX and 2-port 1000M SFP Industrial Gigabit IEEE 802.3BT PoE 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 upto 10A. It can perform dual power backup to ensure system power loss immunity.

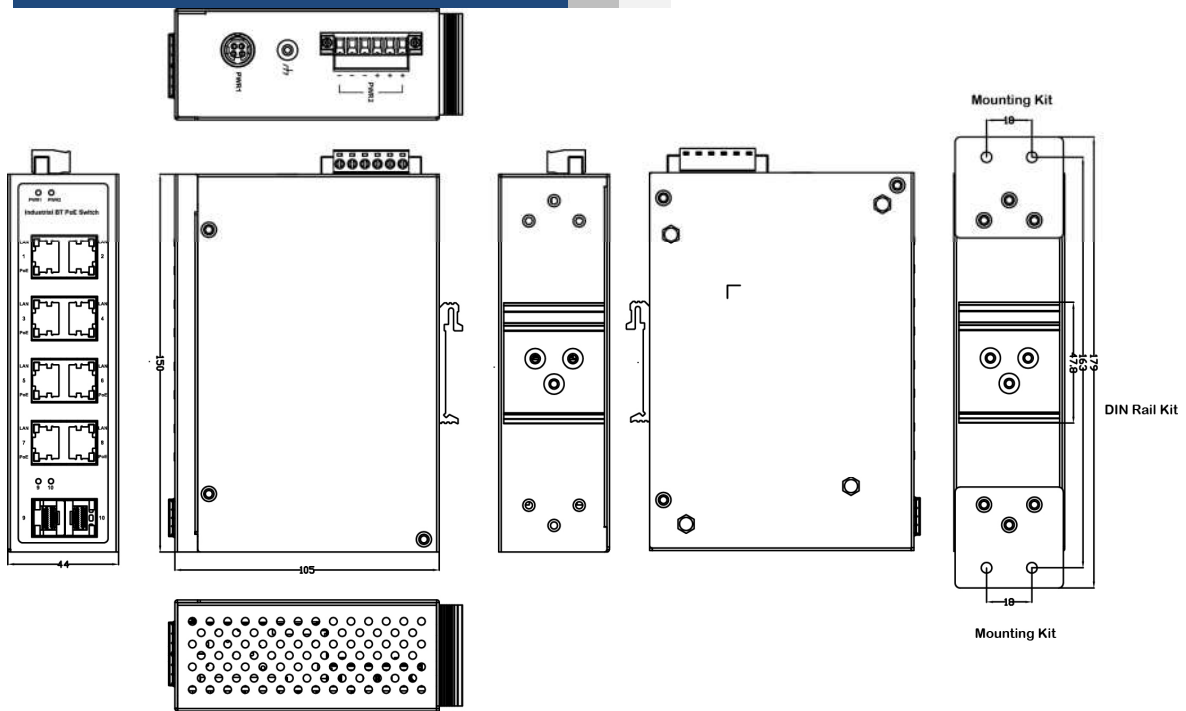
The DB1026GF is designed to meet with critical network environment with IP 30 enclosure and test under extensive Industrial EMI and Safety standards. It also passed stability testing such as free fall, shock and vibration.

The DB1026GF 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
- DC 48~57V Redundant Power (Power Din & Terminal Block) upto 10Amp and backup
- Polarity reverse protection & removable terminal block

## Industrial Gigabit BT PoE 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++	Weight	620g
Switch Properties	Back-plane (Switching Fabric): 20Gbps Packet throughput ability (Full-Duplex): 1,488,100pps @64bytes	LED	<b>Power Indicator</b> Green LED x 2 for PWR 1 and PWR 2 <b>LINK</b> Green for 1000M and Amber for 10/100Mbps
Transfer Rate	14,881pps for Ethernet port 148,810pps for Fast Ethernet port 1,488,100pps for Gigabit Ethernet port	Power Supply	48~57VDC, Redundant power with polarity reverse protect function and removable terminal block PWR 1 (Power Din), PWR 2 (6-pin Terminal Block) UP to 10Amp
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	Consumption	3.76 Watts (Full load: Only Ethernet)
MAC Address	8K MAC addresses	Overload Current	Present
Processing	Store-and-Forward	Reserve Polarity	Present
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 Humidity	5% to 95% Non-condensing
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 Temperature	-40°C~75°C / -40°F~167°F
Protocol	CSMA/CD	Storage Temperature	-40°C~85°C / -40°F~185°F
Case Dimension	Metal case, IP-30; 44mm(W)x105mm(D)x150mm(H)	EM/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

## ORDERING INFORMATION

- DB1026GF-x x=2,3,4 BT ports. (per BT port max. 90w)

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DB1026GF-1	BT PoE x1	AT PoE x 6	Data x 1	SFP x 2
DB1026GF-2	BT PoE x2	AT PoE x 4	Data x 2	SFP x 2
DB1026GF-3	BT PoE x3	AT PoE x 2	Data x 3	SFP x 2
DB1026GF-4	BT PoE x4		Data x 4	SFP x 2