

# DB1026GF

8-Port 10/100/1000TX + 2-Port 1000FX

Industrial Unmanaged Gigabit Switch

- 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 19VDC ~48VDC
- 6KV surge protection and grounding pin supported



## OVERVIEW

The DB1026GF is a 8-port 10/100/1000TX and 2-port 1000M SFP Industrial Gigabit Switch for plug-and-play installation. This slim switch is designed with Wall-mountable or DIN rail mountable, making installation more easy.

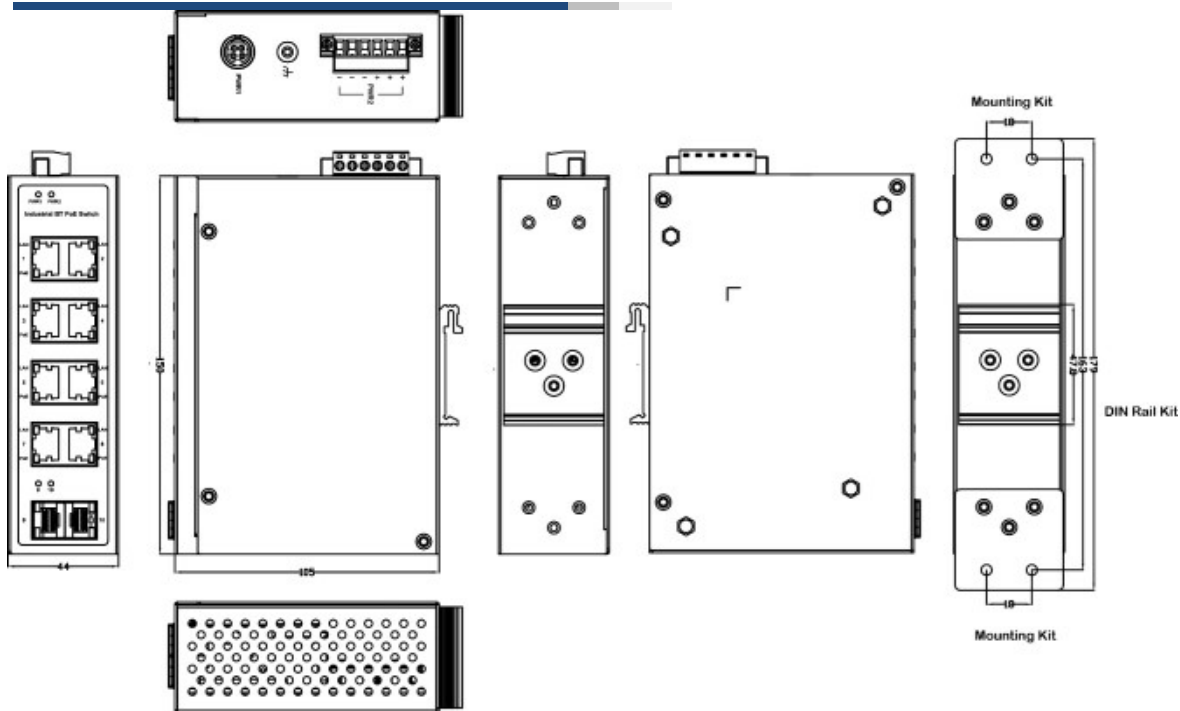
Besides redundant power supply with overload current protection, it embeds with power din and terminal block to prevent power failure event.

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 19~48V Redundant Power (Power Din & Terminal Block)
- Polarity reverse protection & removable terminal block



### 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	LED	<b>Power Indicator</b> Green LED x 2 for PWR 1 and PWR2 <b>LINK</b> Green for 1000M and Amber for 10/100Mbps
Switch Properties	Back-plane (Switching Fabric): 20Gbps Packet throughput ability (Full-Duplex): 1,488,100pps @64bytes	Power Supply	19~48VDC, Redundant power with polarity reverse protect function and removable terminal block
Transfer Rate	14,881pps for Ethernet port 148,810pps for Fast Ethernet port 1,488,100pps for Gigabit Ethernet port	Consumption	3.76 Watts (Full load: Only Ethernet)
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	Overload Current	Present
MAC Address	8K MAC addresses	Reserve Polarity	Present
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  Available 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
Case Dimension	Metal case, IP-30; 44mm(W)x105mm(D)x150mm(H)	Stability Testing	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Weight	580g	Warranty	2 years

### ORDERING INFORMATION

■ **DB1026GF**

8 x 10/100/1000TX + 2 x 1000M SFP Industrial Switch; Dual Input Power 19VDC~48VDC ; -40°C~75°C;