

# DB1082G

10-Port 10/100/1000BaseT (RJ45) + 4-Port PoE++

Industrial Gigabit IEEE802.3bt/at/af PoE Switch

- Compliant IEEE 802.3af/at/bt PoE++ standards
- Dual input power of power din and terminal block
- 4-Port IEEE802.3bt/at/af PoE++ 90W per port
- Wide operating temperature range from -40°C to 75°C
- Supports input power of 50VDC ~ 57VDC
- 6KV surge protection and grounding pin supported



## OVERVIEW

DB1082G is an Industrial Gigabit PoE Switch with 10-port 10/100/1000BaseT RJ45 connectors plus 4-port IEEE 802.3BT (90W per port) for plug & play. 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.

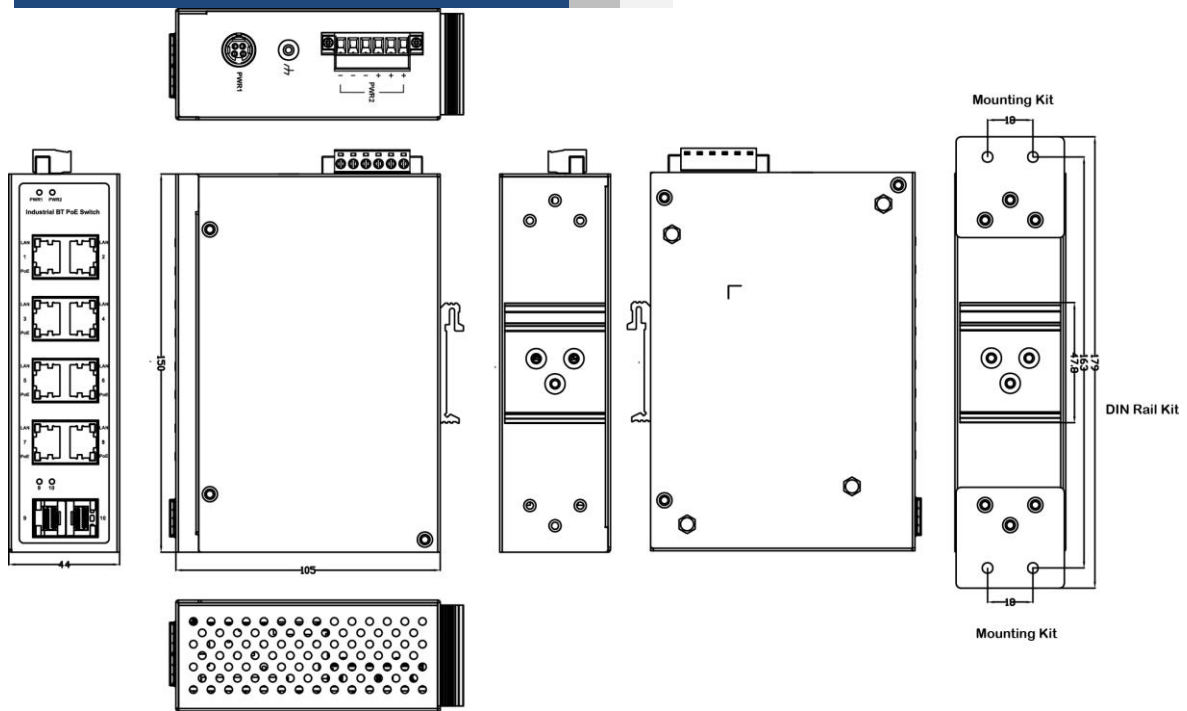
The DB1082G is designed to meet with critical network environment with IP 30 enclosure and test under extensive Industrial EMI and Safety standards. It also passed stability testing such as free fall, shock and vibration.

The DB1082G 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
- 50~57DCV Redundant Power (Power Din & Terminal Block) up to 10Amp for backup with each other
- 4-port IEEE 802.3bt/at/af PoE++ (90W per port)
- 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++	Power Supply	50~57VDC, Redundant power with polarity reverse protect function and removable terminal block PWR 1 (Power Din), PWR 2 (6-pin Terminal Block) Up to 10Amp
Switch Properties	Back-plane (Switching Fabric): 20Gbps Packet throughput ability (Full-Duplex): 1,488,100pps @64bytes	Consumption	3.76 Watts (Full load for System Ethernet)
Transfer Rate	14,881pps for Ethernet port 148,810pps for Fast Ethernet port 1,488,100pps for Gigabit Ethernet port	Overload Current	Present
Connectors	10/100/1000TX: 10 x RJ45 with auto MDI/MDI-X and function PoE++: 4 x RJ45 for 90W per port	Reserve Polarity	Present
MAC Address	8K MAC addresses	Operating Humidity	5% to 95% Non-condensing
Processing	Store-and-Forward	Operating Temperature	-40°C~75°C / -40°F~167°F
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)	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	620g	Warranty	2 years
LEDS	<b>Power Indicators</b> Green LED x 2 for PWR 1 and PWR 2 <b>LAN Indicators:</b> Green for 1000M and Amber for 10/100Mbps <b>PoE Indicators:</b> Amber for PoE ON		

**ORDERING INFORMATION**■ **DB1082G-x, x=1,2,3,4 BT ports. (per port max. 90w)**

DB1082G-1 for	BT PoE x1 Port plus	AT PoE x 6 Port plus	Data (non-PoE) x 3 Port	
DB1082G-2 for	BT PoE x2 Port plus	AT PoE x 4 Port plus	Data (non-PoE) x 4 Port	
DB1082G-3 for	BT PoE x3 Port plus	AT PoE x 2 Port plus	Data (non-PoE) x 5 Port	
DB1082G-4 for	BT PoE x4 Port plus		Data (non-PoE) x 6 Port	