

DP1284G

8-Port 10/100Mbps IEEE802.3af/at PoE+ Switch

Plus 4-Port Uplink Gigabit (RJ45x2 + SFPx2)

- 8-Port IEEE 802.3af/at PoE+ standards (30W per port)
- Supports 250meter extension, and VLAN functions
- Harden Power Terminal Block with 48VDC~57VDC input
- 4-Port Gigabit Uplink with RJ45x2 + SFPx2 connectors
- Wide operating temperature range from -40°C to 75°C
- PoE Over-current, over-voltage, over-temperature protections



OVERVIEW

DP1284G is a hardened 8-port 10/100Mbps with IEEE802.3af/at PoE+ Switch, plus 4-port Gigabit uplink with RJ45x2 + SFPx2 connectors. All the PoE ports may support up to 30W per port basis.

The DP1284G also features 250meter Ethernet extension, and VLAN functions. The slide switch on the front panel is to select FE, EXT, and VLAN functions for Ethernet. The FE is to set for all the 8 port as standard 10/100Mbps Fast Ethernet. The EXT is to set for each of the 8 port to link at 10Mbps Ethernet to support up to 250meter cable extension for CAT5e cable. The VLAN is to set for each of the 8 ports as 8 individual isolated ports and to communicate only with the gigabit uplink ports.

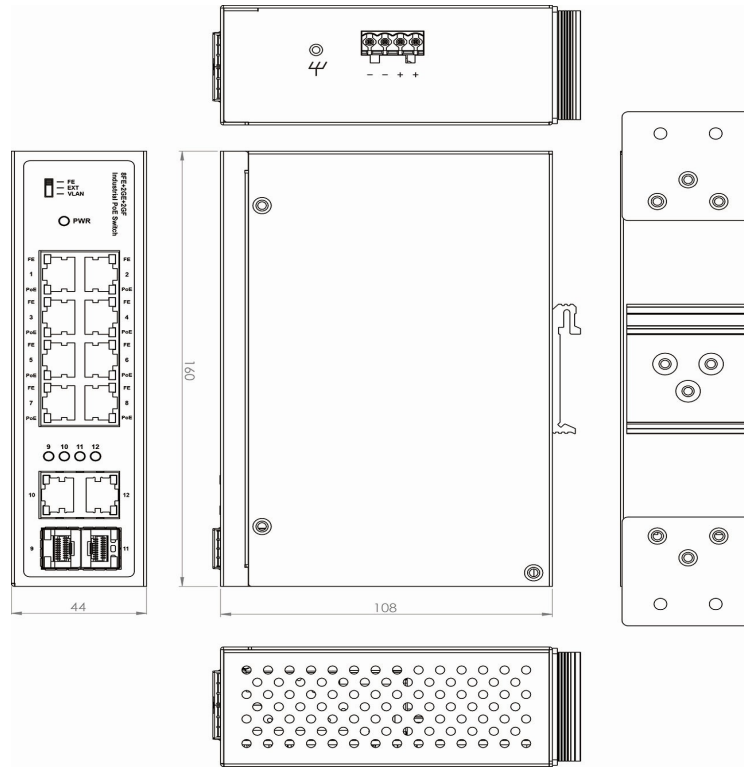
With the terminal block connector, it supports PoE with DC power input of 48VDC~57VDC up to 120W/240W power budget. For each of the 8 ports with PoE function, it all supports over-current, over-voltage, and over-temperature protections

This slim switch is designed with Wall-mountable and/or DIN rail mountable, making installation simple and easy. It meets with critical network environment with IP30 enclosure and test under extensive Industrial EMI and Safety standards. It 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 Non-Blocking Switching
 - Back-plane Switching Fabric: 10Gbps
 - Packet Buffer Memory: 2M bits
 - 4K MAC address table
 - Support 16K Jumbo packets
- 8-port 10/100Mbps with IEEE 802.3af/at PoE function (max. 30W per port)
- 4 Gigabit ports with RJ45x2 + SFPx2 connectors
- Supports 250meter Ethernet extension at 10Mbps
- Support Virtual LAN (VLAN) from 8xFE to 4xGE.
- DC Power input 48VDC~57VDC for Terminal Block up to 120W/240W total PoE power budget
- Metal Housing with DIN Rail and Wall Mount Design
- Support PoE over-current, over-voltage, over-temperature protections
- Supports Wide Operating Temperature (-40°C~75°C)

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 802.3af/at, PoE+	Gigabit and Act Indicators (GE x4): Green for 1000Mbps Link, and Activity Amber for 10/100Mbps Link, and Activity
Switch Properties	Back-plane (Switching Fabric): 10Gbps Packet Throughput ability (Full-Duplex): 1,488,100pps @64bytes	Power Input 48VDC~57VDC, for 4-pin Terminal Block connector up to 120W/240W total PoE power budget
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 for System Ethernet)
Connectors	10/100/1000BaseT: 8 x RJ-45 with auto MDI/MDIX and IEEE802.3af/at PoE+ function 1000Base-TX: RJ-45 with auto MDI/MDIX 1000Base-FX: Gigabit SFP	PoE Polarity Pin 1/2 (+), Pin 3/6 (-)
Jumbo Frame	Support 16K Jumbo Packets	Operating Humidity 5% to 95% Non-condensing
MAC Address	4K MAC addresses	Operating Temperature -40°C~75°C / -40°F~167°F
Frame Processing	Store-and-Forward	Case Dimension Metal case, IP-30; 44mm(W)x105mm(D)x150mm(H)
Protocol	CSMA/CD	Weight 620g
Slide Switch Mode	FE: Normal Fast Ethernet ports x8 EXT: 250meter extension at 10Mbps for FE x8 VLAN: Virtual LAN from FEx8 to GEx2 COMBO ports	Storage Temperature -40°C~85°C / -40°F~185°F
LED	Power Indicator Green for DC input PWR LANx8 Indicators Green/Flash for 10/100M Link/Activity PoEx8 Indicators Amber for PoE ON.	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
		Order Information DP1284G