

DP981CG

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

Plus 1-Port Uplink Gigabit Combo (RJ45 / SFP)

- 8-Port IEEE 802.3af/at PoE+ standards (30W per port)
- Supports 300meter cable extension, and VLAN functions
- Dual input power of power din and terminal block
- 1-Port Uplink Gigabit Combo with RJ45/SFP connector
- Wide operating temperature range from -40°C to 75°C
- 6KV surge protection and grounding pin supported



OVERVIEW

DP981CG is a hardened 8-port 10/100Mbps with IEEE802.3af/at PoE+ Switch, plus 1-port uplink Gigabit Combo port with RJ45/SFP connectors. All the PoE ports may support up to 30W per port basis. The uplink Gigabit Combo port supports either RJ45 or SFP connector; Only one of the connector RJ45/SFP can be linked at a time in Gigabit Ethernet. If both RJ45/SFP connectors are connected, the SFP connector will be linked at default.

The DP981CG also features 300meter Ethernet extension, and VLAN functions. There are 2 dip switches; EXT, and VLAN. The dip switch EXT is to set on the 300meter cable extension for all the 8-port Ethernet link at 10Mbps, and the other dip switch VLAN is to set on Virtual LAN from each of the 8xFE to 1xGE. After setting on the VLAN dip switch, the user need to power off/on once to activate the VLAN function.

Besides redundant power supply with overload current protection, it embeds with power din and 6-pin terminal block connectors to prevent from power failure with sufficient power of up to 5A for 50VDC~57VDC power input. It can perform dual power backup to ensure system power loss immunity.

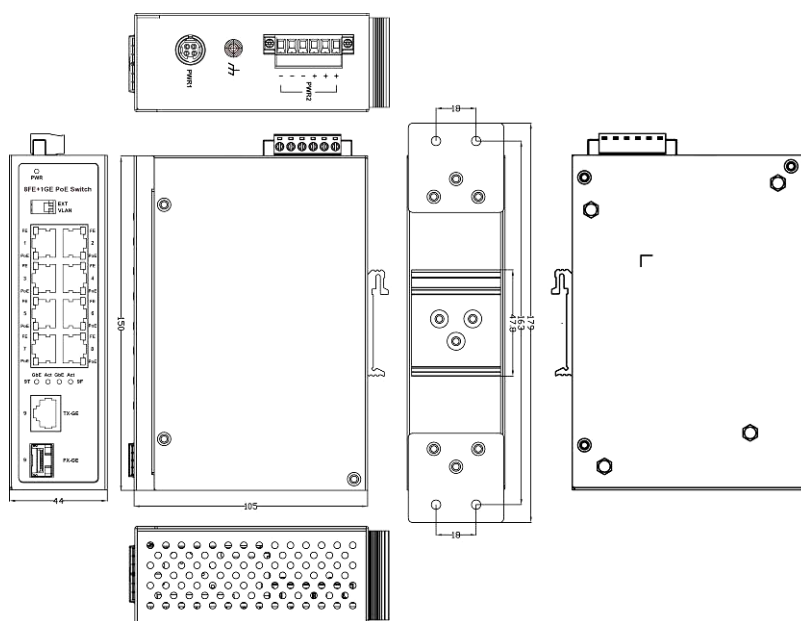
This slim switch is designed with Wall-mountable and/or DIN rail mountable, making installation simple and easy. It meets with critical network environment with IP30 enclosure and test under extensive Industrial EMI and Safety standards. It can be used in extreme environments with an operating temperature range of -40°C to 75°C, and also passed stability testing such as free fall, shock and vibrations.

FEATURES & BENEFITS

- **System Interface/Performance**
 - RJ-45 port support Auto MDI/MDI-X Function
 - Store-and-Forward Non-Blocking Switching
 - Back-plane Switching Fabric: 4Gbps
 - Packet Buffer Memory: 1M bits
 - 2K MAC address table
 - Jumbo Frame: Max. 1552 bytes
- Supports Wide Operating Temperature (-40°C~75°C)
- Supports 300meter Ethernet cable Link at 10Mbps
- Support Virtual LAN (VLAN) from 8xFE to 1xGE.
- Metal Housing with DIN Rail and Wall Mount Design
- DC 50V~57V Redundant Power (Power Din & Terminal Block) up to 5Amp for backup with each other
- 8-port IEEE 802.3af/at PoE (max. 30W per port) function
- Polarity reverse protection & removable terminal block

Industrial 8-Port PoE plus 1-Port Gigabit Combo Switch

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+ | Power Supply | 50~57VDC, Redundant power with polarity reverse protect function and removable terminal block PWR (Power Din or 6-pin Terminal Block) Up to 5A for either Power Din or 6-pin Terminal Block |
| | | Consumption | 3.76 Watts (Full load for System Ethernet) |
| Switch Properties | Back-plane (Switching Fabric): 4Gbps Packet Throughput ability (Full-Duplex): 1,488,100pps @64bytes | PoE Polarity | Pin 1/2 (+), Pin 3/6 (-) |
| Transfer Rate | 14,881pps for Ethernet port 148,810pps for Fast Ethernet port 1,488,100pps for Gigabit Ethernet port | Operating Humidity | 5% to 95% Non-condensing |
| 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 | Operating Temperature | -40°C~75°C / -40°F~167°F |
| Jumbo Frame | Support 1552 bytes | Case Dimension | Metal case, IP-30; 44mm(W)x105mm(D)x150mm(H) |
| MAC Address | 2K MAC addresses | Weight | 620g |
| Frame Processing | Store-and-Forward | 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 |
| Ethernet Extension | 300meter at 10Mbps | Stability Testing | IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration) |
| Virtual LAN | From 8-Port Fast Ethernet to 1-Port Gigabit Ethernet | Warranty | 2 years |
| LED | Power Indicator Green for DC input PWR LANx8 Indicators Green/Flash for 10/100M Link/Activity PoEx8 Indicators Amber for PoE ON. Gigabit and Act Indicators (COMBO): Green for 1000Mbps Link, and Activity | Order Information | DP981CG |