

# PS1082CG

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

Plus 2-Port Uplink Gigabit Combo (RJ45 / SFP)



- 8-Port IEEE 802.3af/at PoE+ standards (30W per port)
- 250meter cable extension, and VLAN functions
- Support input power of 100VAC ~ 240VAC
- 2-Port Uplink Gigabit Combo with RJ45/SFP connectors
- Internal AC-to-DC power supply with PoE 120W/240W power budget
- PoE over-current, over-voltage, over-temperature protections



## OVERVIEW

PS1082CG is an 8-port 10/100Mbps with IEEE802.3af/at PoE+ Switch, plus 2-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 both RJ45 and SFP connectors. This means only one of the connector RJ45/SFP can be linked at a time in Gigabit Ethernet. If both RJ45/SFP connectors of the same COMBO port are connected at the same time, the SFP port will be linked with priority.

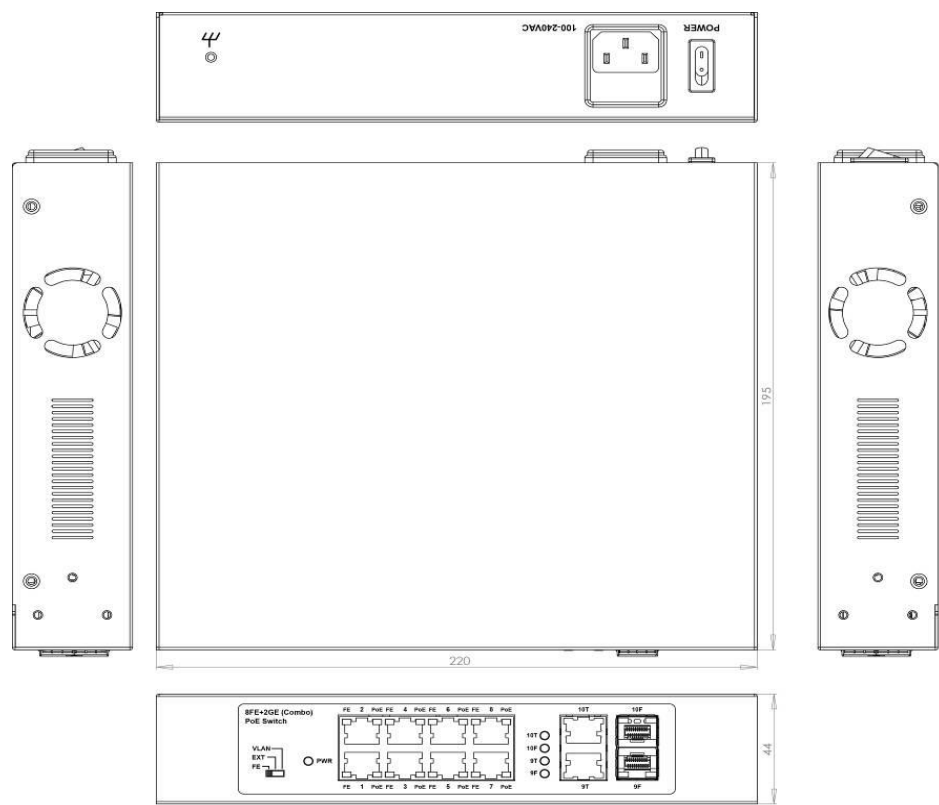
The PS1082CG also features 250meter Ethernet extension, and VLAN functions. There is a slide switch on the front panel to select FE, VLAN, and EXT functions. The FE is to set for all the 8 port as standard 10/100Mbps Fast Ethernet. The VLAN is to set for each of the 8 ports as 8 individual isolated ports and to communicate only with the gigabit COMBO ports. 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.

With internal AC-to-DC power supply, it supports AC power input with standard 3-prong AC power connector to provide PoE 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.

## FEATURES & BENEFITS

- **System Interface/Performance**
  - RJ-45 port support Auto MDI/MDI-X function
  - Store-and-Forward Non-Blocking Switching
  - Back-plane Switching Fabric: 6Gbps
  - Packet Buffer Memory: 1M bits
  - 2K MAC address table
  - Jumbo Frame: Max.1518 bytes
- 2-port Gigabit COMBO with RJ45/SFP connectors
- Supports 250meter Ethernet extension at 10Mbps
- Support Virtual LAN (VLAN) with 8xFE to 2xGE.
- Metal Housing with Wall Mount Design
- Power Input: AC 100VAC~240VAC, 50/60Hz
- Support PoE total power budget up to 120W/240W
- 8-port IEEE 802.3af/at PoE (max. 30W per port)
- Support PoE over-current, over-voltage, over-temperature protections
- Operating Temperature: 0°C~40°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+	<b>Gigabit and Act Indicators (COMBO):</b> Green for 1000Mbps Link, and Activity
Switch Properties	Back-plane (Switching Fabric): 6Gbps Packet Throughput ability (Full-Duplex): 1,488,100pps @64bytes	Power Input AC input: 100VAC~240VAC, 50/60Hz
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	10/100BaseT: 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 1518 bytes	PoE Power Budget Up to 120W / 240W
MAC Address	2K MAC addresses	Operating Humidity 5% to 95% Non-condensing
Frame Processing	Store-and-Forward	Operating Temperature 0°C~40°C
Protocol	CSMA/CD	Physical Dimension 44mm(W)x195mm(D)x220mm(H)
Ethernet Extension	250meter at 10Mbps	Weight 890g
Virtual LAN	From 8-Port Fast Ethernet to 2-Port Gigabit Ethernet	Storage Temperature -40°C~75°C / -40°F~167°F
LED	<b>Power Indicator</b> Green for DC input PWR <b>LANx8 Indicators</b> Green/Flash for 10/100M Link/Activity <b>PoEx8 Indicators</b> Amber for PoE ON	AC Surge Protection Standard 2KV surge protection (optional 4KV)
		Regulation Compliances FCC Part 15 Class A CE, LVD
		Warranty 1 year
		Order Information PS1082CG