PS1284G

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

Plus 4-Port Gigabit (RJ45x2 + SFPx2)

- 8-Port IEEE 802.3af/at PoE+ standards (30W per port)

- 250meter Ethernet cable extension, and VLAN functions

- Support AC input power of 100VAC ~ 240VAC

- 4-Port Gigabit Uplink with RJ45x2 + SFPx2 connectors

- Internal AC-to-DC power supply with PoE 120W/240W total power budget

- PoE over-current, over-voltage, over-temperature protections

OVERVIEW

PS1284G is an 8-port 10/100Mbps with IEEE802.3af/at PoE+ Switch, plus 4-port Gigabit uplink port with RJ45x2 + SFPx2 connectors.   All the PoE ports may support up to 30W per port basis.
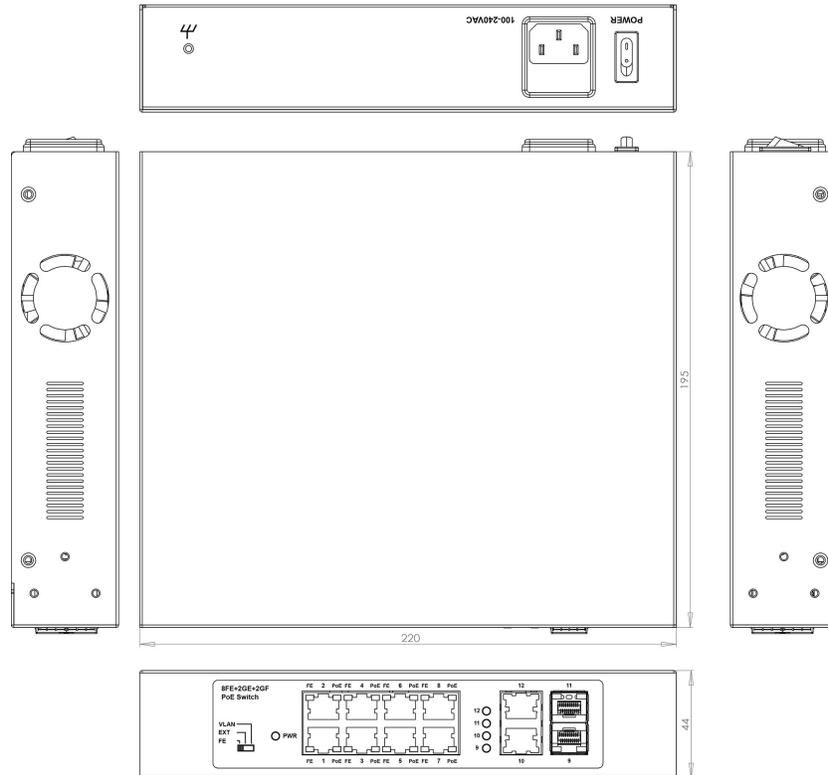
The PS1284G also features 250meter Ethernet extension, and VLAN functions.   The slide switch on the front panel is to select FE, EXT, and VLAN functions for Ethernet.   The FE is to set for all the 8 port as standard 10/100Mbps Fast Ethernet.   The EXT is to set for each of the 8 port to link at 10Mbps 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 internal AC-to-DC power supply, it supports AC input power of 100VAC~240VAC 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: 10Gbps
  - Packet Buffer Memory: 2M bits
  - 4K MAC address table
  - Support 16K Jumbo packets
- 4 Gigabit ports with RJ45x2 + SFPx2 connectors
- Support 250meter Ethernet extension at 10Mbps
- Support Virtual LAN (VLAN) from 8xFE to 4xGE.
- Metal Housing with Wall Mount Design
- AC Power Input: 100VAC~240VAC
- 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+		Amber for PoE ON **Gigabit and Act Indicators (GEx4):** Green for 1000Mbps Link, and Activity, Amber for 10/100Mbps Link, and Activity.
		Power Input	AC input: 100VAC~240VAC, 50/60Hz
Switch Properties	Back-plane (Switching Fabric): 10Gbps 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	PoE Polarity	Pin 1/2 (+), Pin 3/6 (-)
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 Power Budget	Up to 120W / 240W
		Operating Humidity	5% to 95% Non-condensing
		Operating Temperature	0°C~40°C
Jumbo Frame	Support 16K Jumbo Packets	Physical Dimension	44mm(W) x 195mm(D) x 220mm(H)
MAC Address	4K MAC addresses	Weight	890g
Frame Processing	Store-and-Forward	Storage Temperature	-40°C~75°C / -40°F~167°F
Protocol	CSMA / CD	AC Surge Protection	Standard 2KV surge protection (optional 4KV)
Slide Switch Mode	FE: Normal Fast Ethernet ports x8		
	EXT: 250meter extension at 10Mbps for FE x8	Regulation Compliances	FCC Part 15 Class A CE, LVD
	VLAN: Virtual LAN from FEx8 to GEx4 ports		
LEDs	**Power Indicator** Green for DC input PWR **LANx8 Indicators** Green/Flash for 10/100M Link/Activity **PoEx8 Indicators**	Warranty	1 year
		Order Information	PS1284G