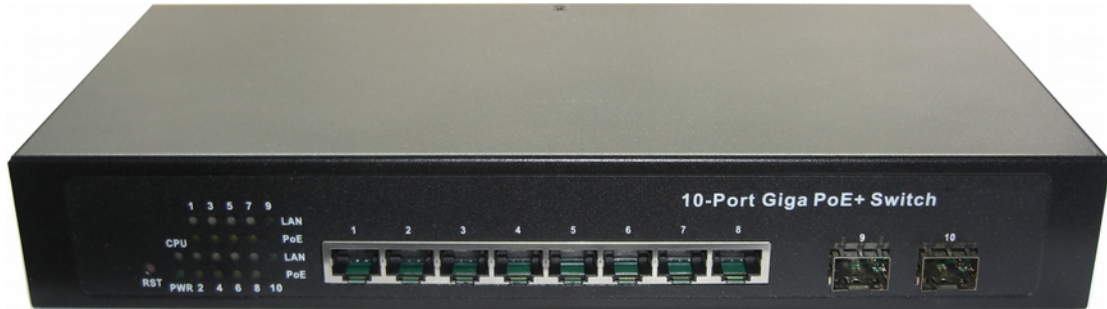# 10-Port GbE Switch with 8-port 802.3at PoE, 2-port SFP
PS820G

PS820G series, a 10-port Gigabit PoE+ Switch, is a standard Gigabit Ethernet switch that meets all IEEE 802.3/u/x/z/ab/af/at standards. The switch includes 8-Port 10/100/1000Mbps RJ-45 with PoE+ function and 2-Port Gigabit SFP for Fiber. It is an ideal solution for applications of wireless AP, IP phones and IP cameras.

Key features

- 8 x RJ-45 ports for Gigabit Ethernet connection with PoE+ capacity
- 2 x SFP ports flexible for fiber connection
- Support Jumbo Frame size up to 9KB
- IEEE802.3at/af Power Over Ethernet
- Plug and play for easy configuration

Technical Specifications

- **_Standard compliance_**
    - IEEE 802.3 10Base-T Ethernet

- IEEE 802.3u 100Base-TX Fast Ethernet
- IEEE 802.3ab 1000Base-T Ethernet
- IEEE 802.3z 1000Base-X Ethernet
- IEEE 802.3x Flow Control capability
- IEEE 802.3at/af

- ***RoHS Compliance***
- ***Performance***
  - **Switching capacity:**
    - 8 Gigabit Ethernet ports with non-blocking wise speed performance.
    - 16Gbps switch capacity
    - 8 K MAC addresses
    - Supports Jumbo frame, up to 9K

- ***PoE Features***
  - 8 x IEEE802.3at/af PoE+ PSE ports
  - Endpoint with 54VDC power through RJ-45 pin 1, 2, 3, 6
  - PoE-PSE activity LED indicator
  - Auto detect powered device
  - 120 or 250 watts of total power selected

LED Descriptions

- ***LED Description***

LED	Color	Function
System LED		
PWR	Green	Lit when +5V power is coming up

10/100/1000 Ethernet TP Port 1 to 8 LED		
LAN	Green/ Amber	Lit Green when TP link on 1000Mbps speed
		Lit Amber when TP link on 10/100Mbps speed
		Blinks when any traffic is present
PoE	Green	Lit when PoE Power is active
1000SX/LX Gigabit Fiber Port 9, 10 LED		
LAN	Green	Lit when connection with the remote device is good
		Blinks when any traffic is present
		Off when module connection is not available

■ *Network Interface*

	Connector	Port
10/100/1000Mbps TP Jack (RJ-45)	TP(RJ-45)	1 to 8
1000Mbps SFP Fiber Module Auto Detection	SFP	9, 10

■ *Hardware Spec.*

Feature	Detailed Description	
Power Characteristics	**Voltage :** 100~240 V	
	Frequency : 50~60 Hz	
	PoE Power	Max. 120W (PS820G)
		Max. 250W (PS820GA)
Ambient Temperature	0° to 40°C	
Humidity	5% to 90%	
Dimensions	44(H) x 280(W) x 215(D)mm	
Weight	2.3kgs	

EMI	FCC Part 15 Class B, CE

Ordering Information

PS820GA	10-Port GbE Switch with 8-Port PoE+ and 2-port SFP (Internal Power of 250W)
PS820G	10-Port GbE Switch with 8-Port PoE+ and 2-port SFP (Internal Power Module of 120W)
PS820GL	10-Port GbE Switch with 8-Port PoE+ and 2-port SFP (Internal Power Module of 65W)