



# 8-Port 10/100/1000Mbps Managed PoE Switch with 2 Gigabit SFP



**SP6500-8PGE2GF**

802.1Q  
VLAN

802.3at  
**PoE+**  
802.3af

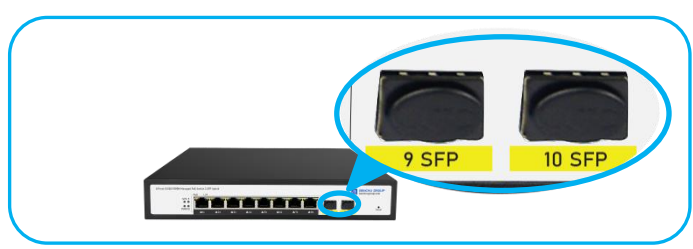
6KV  
Lightning Protection

## Key Features:

- Ports:** Provide 8\*10/100/1000Mbps PoE ports and 2 \*1.25Gbps SFP Uplink
- PoE Standard:** IEEE802.3af/at Power over Ethernet (PoE) Compliant
- Total Power:** Total power budget of 120W and 30W for all single PoE ports
- Self-adaption:** RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX
- Managed:** Support simple web managed, VLAN, Qos, PoE, STP, Bandwidth Control and etc.
- Wide Application:** Designed for Wifi AP and IP Security camera. VoIP etc
- Surge protection:** Protect the device from lightning surges and others electrical hazards
- Considerate Design:** Rack mount installation

## Versatile PoE Port

Featuring 8\* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 8\*10/100/1000Mbps ports and 2 Gigabit SFP ports. the PoE switch provides Maximun power budget of 120W and 30W for single PoE ports sepectively, allowing users to have several different Networking products configured



## 2 Gigabit SFP Uplink Port

With 2 SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the SFP can transmit the date with Max 100Km distance with more economic solution

## Web-Based Management Interface

This 8 port managed PoE switch is managed via an intuitive web interface, allowing for easy configuration without complex command lines. This interface simplifies network setup and maintenance, enabling quick adjustments to network settings for users without in-depth technical expertise.



# SP6500-8PGE2GF

8-Port 10/100/1000Mbps WEB Managed PoE Switch with 2 Gigabit SFP

## Technical Datasheet

<b>Model</b>	<b>SP6500-8PGE2GF</b>	
<b>Hardware Specifications</b>		
Connector	8* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2* 1000 Base-X SFP Slots	
PoE Port	8* 10/100/1000Mbps POE PSE port	
SFP	Single fiber/Dual fiber supported. Distance vary the module	
Thermal Fan	Fanless Design	
LED indicators	Power Indicator: PWR(green). Network Indicator: Link(green) PoE Working Indicator: PoE(green)	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	24Gbps
	Packet forwarding rate	14.88Mpps
	MAC address	4k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(WxDxH)	256mm x 160mm x 44.5mm(17.32in x 7.48in x 1.75in)	
Weight	1.2Kg	
<b>Power over Ethernet (PoE) Specifications</b>		
Network standard	IEEE802.3i 10 BASE-T	
	IEEE802.3u 100 BASE-TX	
	IEEE802.3ab 1000BASE-T	
	IEEE802.3z 1000BASE-X	
	IEEE802.3x Flow Control	
	IEEE802.3af Power over Ethernet	
	IEEE802.3at Power over Ethernet	
	IEEE802.3az EEE	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE	
	IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af)	
	Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	120W	

## Layer 2 Functions

Port Mirroring	TX / RX / both Many-to-1 monitor
Vlan	802.1Q tagged-based VLAN Up to 26 VLAN groups
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol
IGMP	IGMP snooping
Loopback detection	Support
Bandwidth Control	16-1000000 (Kbit/sec), multiple of 16
PoE Management	Open or close port Standard POE scheduling management Power and current display
QoS	8 mapping ID to 8 level priority queues --- Port number --- 802.1p priority
Security	IEEE 802.1X port-based authentication Static MAC address Storm Control

## Management Function

Basic Management Interfaces	Web browser / SNMP v1, v2c Firmware upgrade by HTTP protocol through Ethernet network
Secure Management Interfaces	SNMP

## Environment

Safety	FCC Part15 Class A,CE,RoHs
Environment specification	Operating temperature: -20°C~55°C , operating humidity: 5%~95% Storage temperature: -40°C~75°C , storage humidity: 5%~95%

## Ordering Information

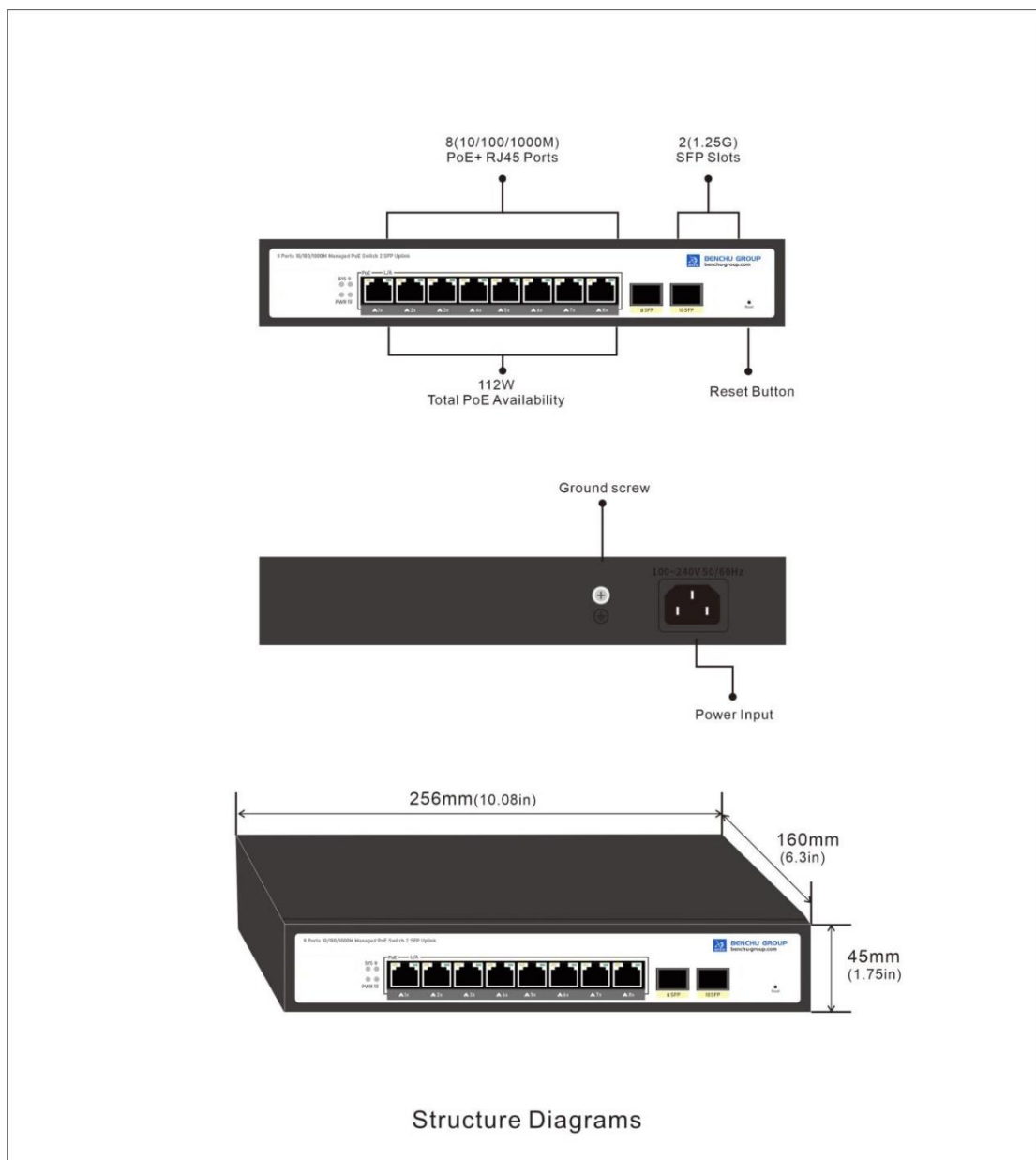
SP6500-8PGE2GF

8 Ports 10/100/1000Mbps managed PoE switch with 2 gigabit SFP ,  
6KV surge protection,IEEE802.3af/at

# SP6500-8PGE2GF

8-Port 10/100/1000Mbps WEB Managed PoE Switch with 2 Gigabit SFP

## Structure Diagrams



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