BCZW

24-Port 10/100/1000Mbps

Managed PoE Switch with 2

Gigabit SFP

2 YEAR EXCLUSIVE WARRANTY

SP6500-24PGE2GF

802.1Q VLAN

802.3at PoE+ 802.3af

6KV Lightning Protection

Key Features:

Ports: Provide 24*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 300W and 30W for all singe 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.
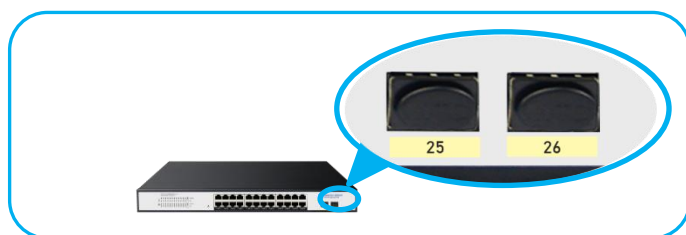
Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc

Surge protection: Protect the device from lighting surges and others electrical hazards

Considerate Design: Rack mount installation

Versatile PoE Port

Featuring 24* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 24*10/100/1000Mbps ports and 2 Gigabit SFP ports. the PoE switch provides Maximun power budget of 300W and 30W for single PoE ports sepectively,allowing users to have several different Networking products configured

802.3at 30W

802.3af 15.4W

Door Phone | PTZ Camera | 11.ac WiFi-AP | IP Speaker

IP Phone | IP Camera | SOHO WiFi-AP

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 transmitte the date with Max 100Km distance with more economic solution

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Surge Protection Design

Reaching 6KV surge protection, the PoE ports owns the capacity to keep the PoE Switch from lightning strikes and other electrical surges, offering more reliable performance even in some harsh environments.

SECURITY

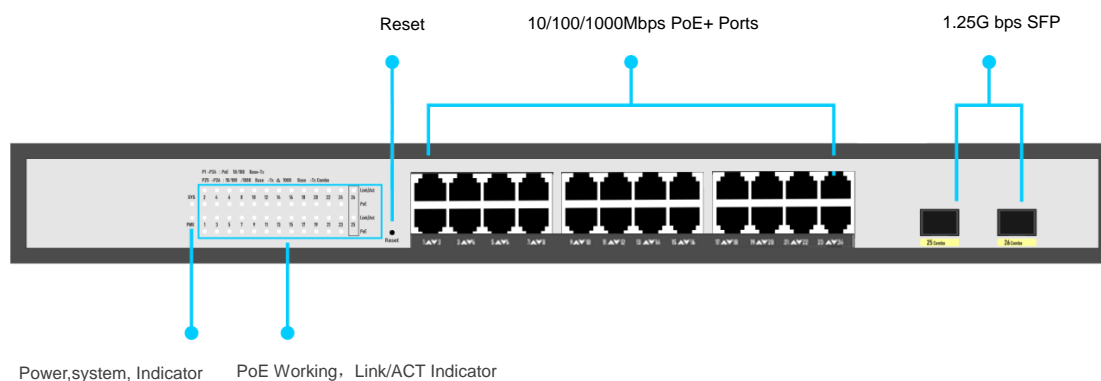## Technical Datasheet

Model	SP6500-24PGE2GF	
Hardware Specifications		
Connector	24* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports	
	2* 1000 Base-X SFP Slots	
PoE Port	24* 10/100/1000Mbps POE PSE port	
SFP	Singe fiber/Dual fiber supported. Distance vary the module	
Thermal Fan	2 Fans 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	56Gbps
	Packet forwarding rate	38.69Mpps
	MAC address	8k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W×D×H)	440mm x 290mm x 45mm(17.32in x 11.42in x 1.77in)	
Weight	4.2kg	
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T	
	IEEE802.3u 100 BASE-TX	
	IEEE802.3ab 1000BASE-T	
	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	300W	
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	

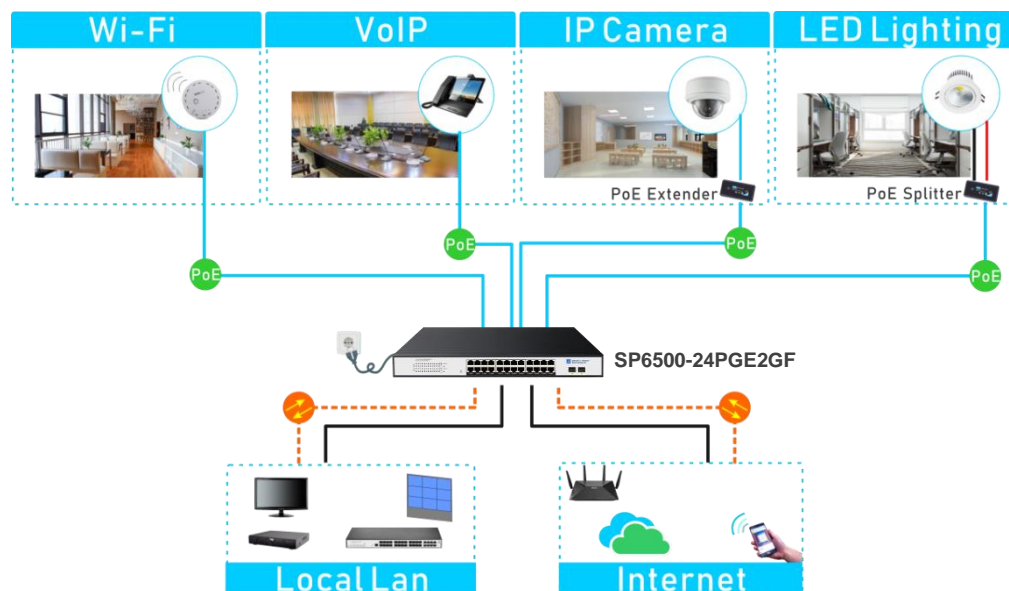| PoE Management	Open or close port Standard POE scheduling management Power and current display
QoS	8 mapping ID to 8 level priority queues
	--- Port number
	--- 802.1p priority
Security	IEEE 802.1X port-based authentication
	Static MAC address
	Storm Control
Management Function	
Basic Management Interfaces	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℃~55℃，operating humidity: 5％~95％
	Storage temperature: -40℃~75℃，storage humidity: 5％~95％

Interfaces
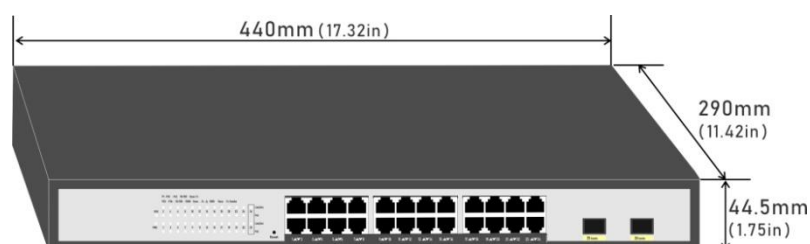
Reset　　10/100/1000Mbps PoE+ Ports　　1.25G bps SFP

Power,system, Indicator　　PoE Working，Link/ACT Indicator

Structure Diagrams

Applications

Ordering Information	
SP6500-24PGE2GF	24 Ports 10/100/1000Mbps managed PoE switch with 2 gigabit SFP , 6KV surge protection,IEEE802.3af/at