



16-Port 10/100/1000Mbps PoE Switch with 4 1000M Combo Uplink



SP5220-16PGE4GC

802.3at
PoE+
802.3af

PoE
WatchDog

UTP
Extend
-250m-

Key Features:

- Ports:** Provide 16*10/100/1000Mbps PoE ports and 4 *1000Mbps Combo Uplink
- PoE Standard:** IEEE802.3af/at Power over Ethernet (PoE) Compliant
- Total Power:** Total power budget of 300W and 30W for all single PoE ports
- Self-adaption:** RJ45 port supports 10/100Mbps Auto MDI/MDIX
- Extend Mode:** Extend PoE up to 250m on one single cable
- 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 with fanless design
- Easy to use:** Plug and play, No configuration required

Versatile PoE Port

Featuring 16* 10/100/1000Mbps PoE ports which support IEEE802.3af/at standard and 4 * 1000Mbps Uplink and 4 Gigabit SFP ports. the Benchu Group 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

Door Phone

PTZ Camera

11.ac WiFi-AP

IP Speaker

802.3af
15.4W

IP Phone

IP Camera

SOHO WiFi-AP

100m
Default
250m
Extender

Flexible Extend Mode

With the extend mode, the PoE Switch Series is able to offer more flexible choices for long range transmission, extending the distance up to 250m, which is greatly helpful to bring better user experience.

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 reliable performance even in some harsh environments.

4 Gigabit SFP Uplink Port

With 4 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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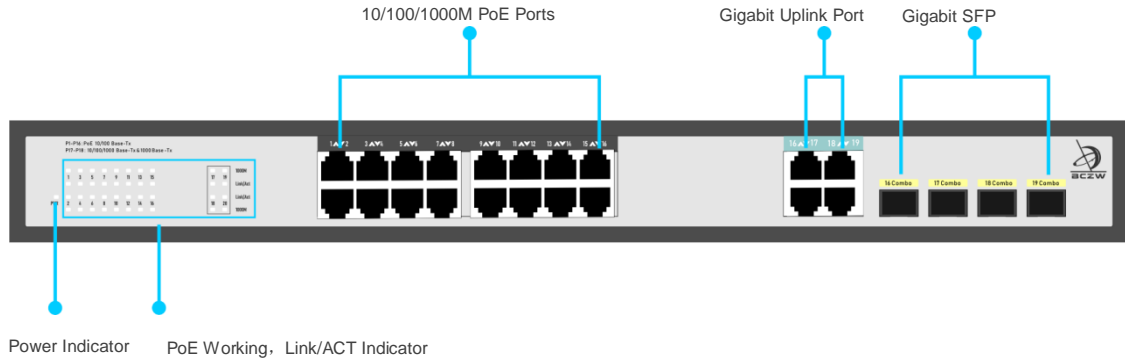
Technical Datasheet

Model	SP5220-16PGE4GC	
Hardware Specifications		
Connector	16 10/100/1000BASE-T RJ45 auto MDI/MDIX ports	
	4 10/100/1000BASE-T RJ45 auto MDI/MDIX ports	
	4 1000 Base-X SFP Slots	
PoE Port	16 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(yellow)	
	PoE Working Indicator: PoE(green)	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	64Gbps
	Packet forwarding rate	35.71Mpps
	MAC address	16k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(WxDxH)	440mm x 290mm x 44.5mm(17.32in x 11.42in x 1.75in)	
Weight	3.5kg	
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T	
	IEEE802.3u 100 BASE-TX	
	IEEE802.3x Flow Control	
	IEEE802.3af Power over Ethernet	
	IEEE802.3at Power over Ethernet	
PoE Standard	IEEE802.3az EEE	
	IEEE 802.3af Power over Ethernet/PSE	
PoE Supply Type	IEEE 802.3at Power over Ethernet Plus/PSE	
	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	
Environment		
Safety	FCC Part15 Class A,CE,RoHs	
Environment specification	Operating temperature: -20°C~55°C, operating humidity: 5%~95%	
	Storage temperature: -20°C~75°C, storage humidity: 5%~95%	

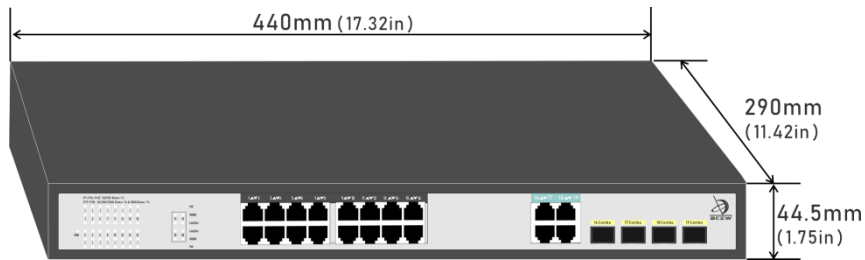
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16-Port Gigabit PoE Switch with 4 Gigabit Combo Uplink

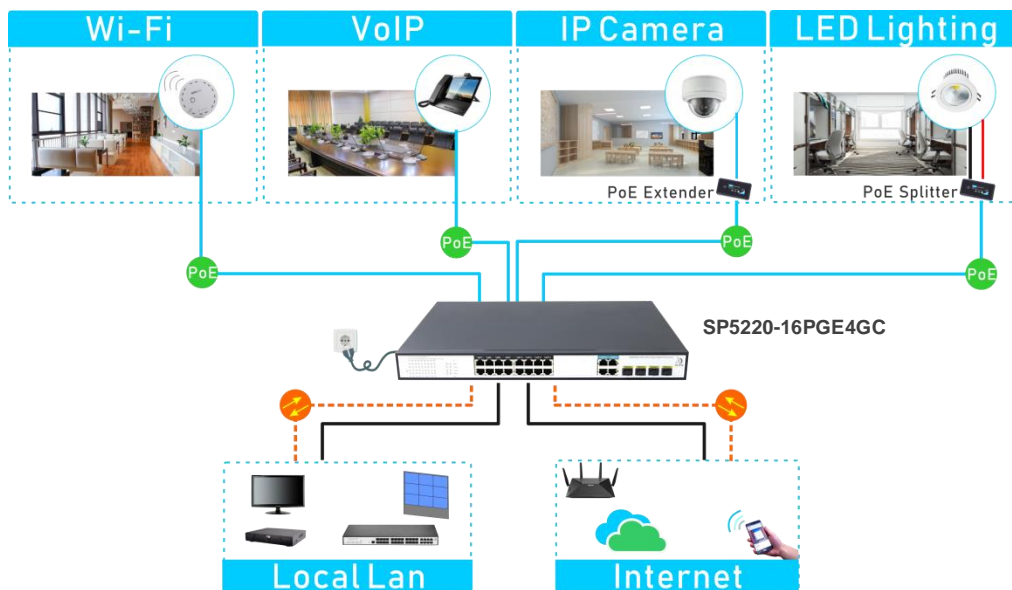
Interfaces



Structure Diagrams



Applications



Ordering Information

SP5220-16PGE4GC

16 Ports 10/100/1000Mbps PoE switch with 4 Gigabit Combo Uplink, 6KV surge protection, IEEE802.3af/at