



8-Port 10G/2.5G/1Gbps Unmanaged PoE++ Switch



SP5210-8PTE-8BT

Key Features:

- Ports:** Provide 8x 10G RJ45 ports with auto-negotiation across 100M to 10G
- PoE Standard:** 90W PoE++ (802.3bt Type 4) per port for high-power devices
- Total Power:** 300W total PoE budget, dynamic allocation, zero power waste
- Self-adaption:** RJ45 port supports 100M/1000M/2.5G/10Gbps Auto MDI/MDIX
- Plug-and-play:** Unmanaged, Plug-and-play, zero config needed, fanless, Silent operation
- Wide Application:** Designed for Wifi-6E/7 AP, 8K IP Security camera and AI device etc
- Surge protection:** Protect the device from lighting surges and others electrical hazards
- Considerate Design:** Compact metal chassis, desktop or rack mount

10G Multi-Gigabit on All Ports

Every RJ45 port auto-senses speeds from 100M to 10G. This gives Wi-Fi 7 access points, 8K cameras, and high-speed NAS the bandwidth they need today, while keeping your network ready for tomorrow's devices—all without cable upgrades.



90W PoE++
IEEE 802.3bt Type 4





300W
Total Budget

90W PoE++ with 300W Total Budget

IEEE 802.3bt Type 4 delivers up to 90W per port. Power PTZ cameras with heaters, LED lighting, or edge AI appliances directly from the switch. The 300W total budget is dynamically shared, so power is never wasted and high-demand devices stay online.

True Plug-and-Play Simplicity

No configuration, no CLI, no web interface needed. Just connect power, plug in cables, and the network is live. This zero-touch model slashes installation time for integrators and eliminates setup errors, letting you focus on devices, not the switch.



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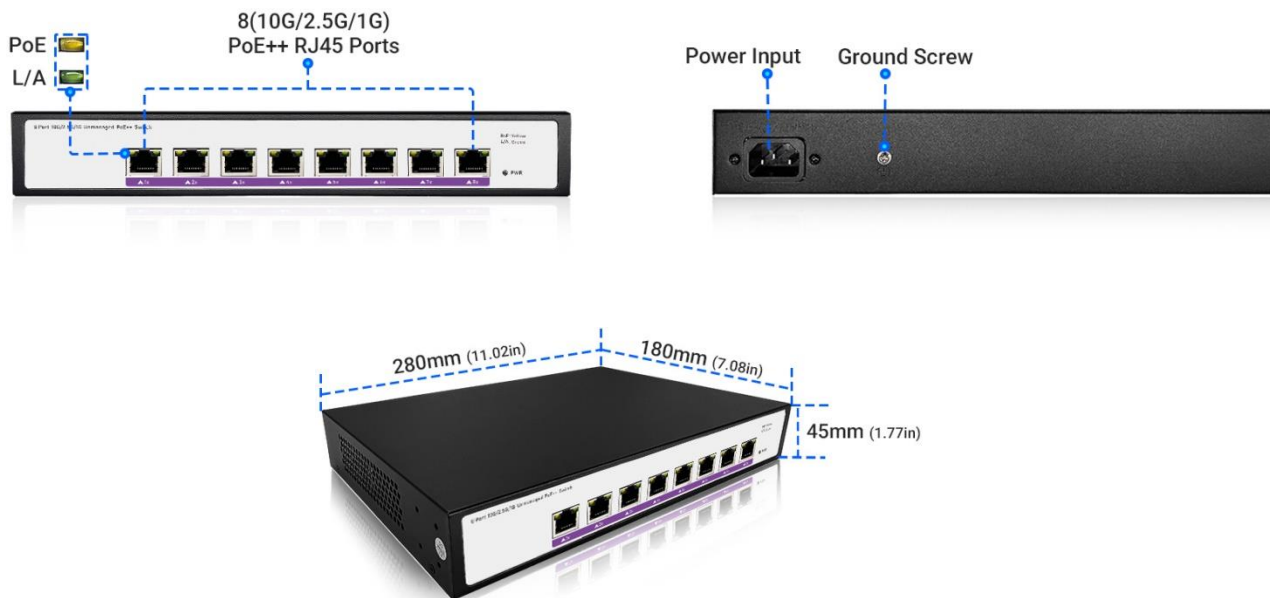
Technical Datasheet

Model	SP5210-8PTE-8BT	
Hardware Specifications		
Connector	8* 100/1G/2.5G/10GBASE-T RJ45 auto MDI/MDIX ports	
PoE Port	8* 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/ACT(green) PoE Working Indicator: PoE(yellow)	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	160Gbps
	Packet forwarding rate	120Mpps
	MAC address	16k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(WxDxH)	280mm x 180mm x 44.5mm	
Weight	1.8Kg	
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T	
	IEEE802.3u 100 BASE-TX	
	IEEE802.3ab 1000BASE-T	
	IEEE802.3bz 2500BASE-T	
	IEEE802.3ae 10GBASE-T	
	IEEE802.3x Flow Control	
PoE Standard	IEEE802.3az EEE	
	IEEE 802.3af Power over Ethernet/PSE	
	IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	IEEE 802.3at Power over Ethernet Plus Plus /PSE	
PoE Power Output	1/2/4/5(+), 3/6/7/8(-) End-span	
	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	Per Port 54V DC, 1.67mA. max. 90 watts (IEEE 802.3bt)	
Environment		
Safety	300W	
Environment specification	FCC Part15 Class A,CE,RoHs	
	Operating temperature: -20°C~55°C, operating humidity: 5%~95% Storage temperature: -40°C~75°C, storage humidity: 5%~95%	

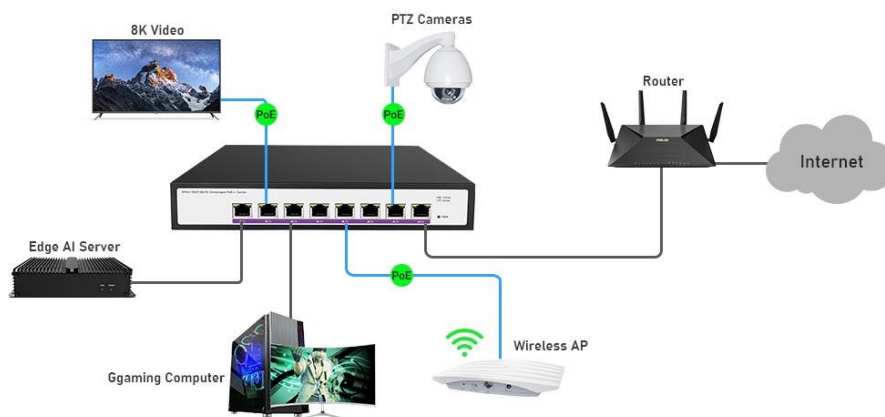
SP5210-8PTE

8-Port 100/1G/2.5G/10Gbps Unmanaged PoE Switch

Structure Diagrams



Application



Ordering Information

SP5210-8PTE-8BT

8 Ports 100M/1G/2.5G/10Gbps Unmanaged PoE++ switch, Up to 90W per port
6KV surge protection, IEEE802.3af/at/bt, 300W Power budget.

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