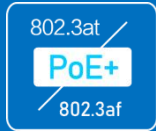




8-Port 10/100/1000Mbps PoE Switch with 2-Gigabit Uplink



SP5200-8PGE2GE-AI

Key Features:

Ports: Provide 8*10/100/1000Mbps PoE ports with 2*10/100/1000M RJ45 Uplink

PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant

Self-adaption: RJ45 port supports 10/100/1000Mbps MDI/MDIX

Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc

VLAN Mode: Isolates each port so as to prevent broadcast storm and defend DHCP spoofing

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

Working Temperature: -20 to 55 degrees operating temperature

6Kv Surge protection: Protect the device from lighting surges and others electrical hazards

Considerate Design: Wall mount installation, Fanless silent operation

Smart PoE+ Power Management

8×IEEE 802.3af/at PoE+ ports (30W/port max. 120W) with PoE scheduling, priority, and AI remote reboot. Power IP cameras, wireless APs, or access control over a single cable – no outdoor outlets needed. Schedule PoE on/off to save energy, reboot frozen devices remotely, and prioritize critical gear during power shortages. Cut installation costs 40%+ and ensure 24/7 uptime for powered devices.

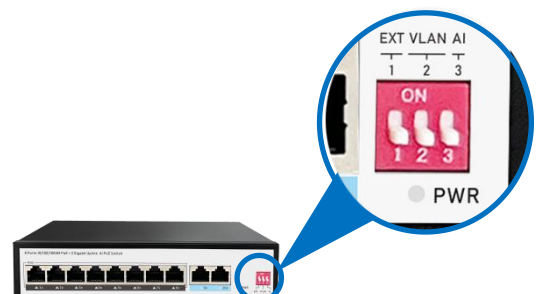


Surge Protection Design

Engineered for extreme durability, our PoE switch delivers robust 6kV surge protection on all PoE ports, safeguarding against lightning strikes and electrical transients. This advanced protection ensures reliable operation in harsh industrial environments, outdoor deployments, and areas prone to power fluctuations, significantly enhancing network uptime and device longevity.

Smart Operation Modes: Extend, VLAN & AI

Supports three flexible modes: Extend Mode extends PoE transmission up to 250m; VLAN Mode isolates broadcast traffic via port-based VLAN for stable camera networks; AI Mode enables PD alive check and auto power reset, enhancing network reliability and reducing maintenance effort.



SP5200-8PGE2GE-AI

8-Port 10/100/1000Mbps PoE Switch with 2-Gigabit RJ45 Uplink

Technical Datasheet

Model	SP5200-8PGE2GE-AI
Hardware Specifications	
Connector	10* 10/100BASE-T RJ45 auto MDI/MDIX ports
PoE Port	8* 10/100/1000Mbps POE PSE port
VLAN Mode	Features port-based VLAN function that helps to prevent the IP camera's multicast or broadcast storm from influencing each other.
LED indicators	Power Indicator: PWR(green). PoE/Network Working Indicator: green VLAN Mode Indicator: V (green)
Power Requirements	AC 100~240V, 50/60Hz
Power Consumption/ Dissipation	Max. 7 watts (system on) Max. 120 watts (system + PoE)
ESD Protection	Contact Discharge 6KV DC, Air Discharge 8KV DC
Surge Protection	Differential mode ± 2 KV , Common mode ± 4 KV
Thermal Fan	Fanless Design
Installation	Wall Mount
Dimension(W×D×H)	191mm x 124mm x 43mm
Weight	< 0.9Kg
Switching Specifications	
Network standard	IEEE802.3i 10 BASE-T
	IEEE802.3u 100 BASE-TX
	IEEE802.3ab 1000BASE-T
	IEEE802.3z 1000BASE-X
	IEEE802.3x Flow Control
Switch Architecture	Store and Forward
Backplane bandwidth	20Gbps
Packet forwarding rate	14.88Mpps
MAC address	2K MAC address table with auto-learning, auto-aging
Shared Data Buffer	2.1 Mb
Jumbo Frame	9K Bytes
Flow Control	Back pressure for half duplex
	IEEE 802.3x pause frame for full duplex
Power over Ethernet (PoE) Specifications	
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	IEEE 802.3af Standard
	Per port 48V~51V DC, max. 15.4 watts
	IEEE 802.3at Standard
PoE Power Budget	Per port 51V~54V DC, max. 30 watts
	Maximum 58W for all PoE port output

Environment

Safety

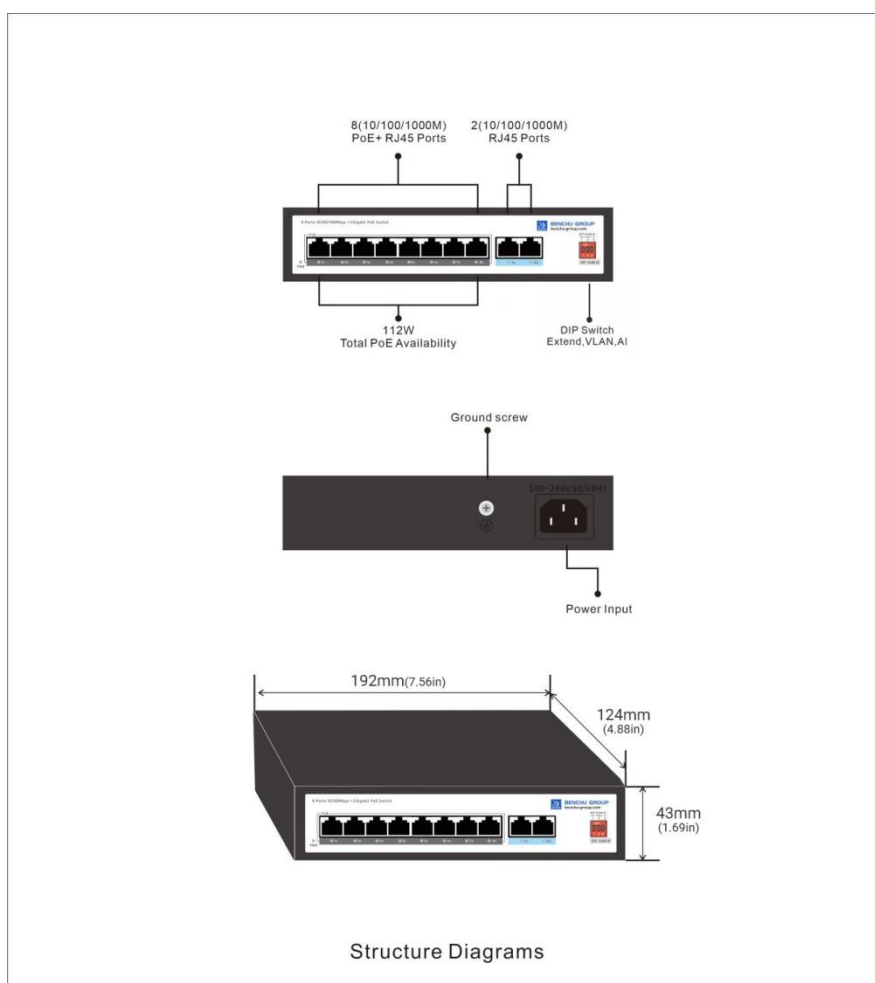
FCC Part15 Class A,CE,RoHs

Environment specification

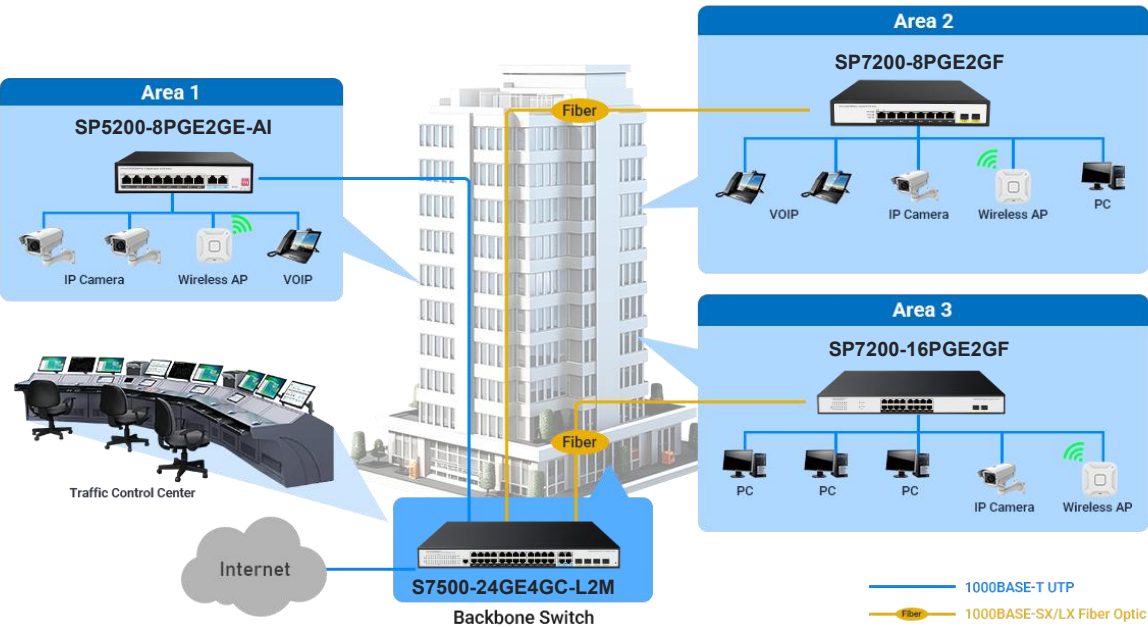
Operating temperature: -20℃~55℃, operating humidity: 10%~90%

Storage temperature: -30℃~75℃, storage humidity: 5%~95%

Mechanical Drawing



Applications



Ordering Information

SP5200-8PGE2GE-AI	8 Ports 10/100/1000Mbps Unmanaged PoE Switch with 2 Ports Gigabit RJ45 Uplink, 6KV Surge Protection, IEEE802.3af/at.
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