

PoE Switch

(SG422P)

Product Description

This PoE switch is equipped with 4×10/100/1000Base-T PoE Ethernet ports, 2×10/100/1000Base-T uplink ports and 2×1000Base-X SFP slots. Port 1 supports PoE power supply up to 60W, Ports 2 and 3 support a maximum PoE output of 30W each, and the whole device delivers a total maximum PoE output power of 120W.

As a PoE power sourcing equipment, the switch can automatically identify PD (Powered Device) compatibility with PoE standards. It only supplies power to PoE-compliant powered devices, effectively avoiding damage to non-PoE devices.

This PoE switch features a toggle switch, which can force Ports 1–4 to be isolated from one another while keeping each port accessible to uplink Ports 5–6. It effectively isolates collision domains and broadcast domains, suppresses broadcast storms, and improves network transmission efficiency. It is an ideal networking option for video surveillance projects in hotels, retail stores, supermarkets, residential buildings, and small-to-medium enterprises.



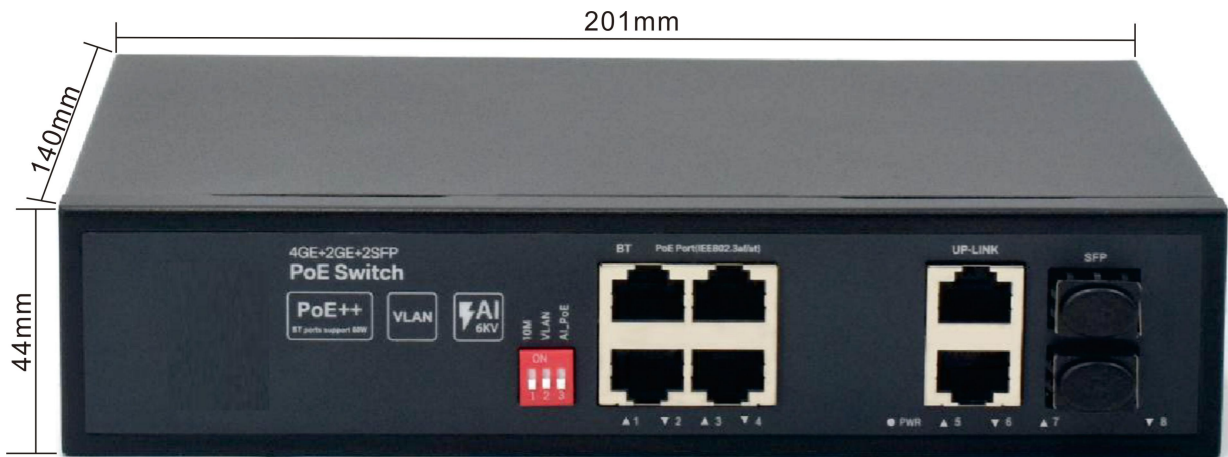
Product Features

- 6×10/100/1000Base-T Ethernet ports and 2×1000Base-X SFP uplink slots
- Port 1 supports up to 60W PoE power supply; Ports 2-4 each support up to 30W PoE power supply
- One-click 10M mode enables a maximum transmission distance of 250 meters for PoE ports
- One-click VLAN mode effectively isolates collision domains and broadcast domains
- One-click AI-PoE mode efficiently fixes IPC crash faults on powered devices
- All ports support 10/100/1000Mbps auto-negotiation
- All ports support half/full-duplex auto-adaptation and automatic MDI/MDI-X function
- Ethernet ports are equipped with 6kV common-mode and 6kV differential-mode surge protection
- Supports desktop and wall-mounted installation
- Plug-and-play design with simple operation, no configuration required
- Adopts metal housing and built-in power supply, featuring excellent heat dissipation for long-term stable operation

Product Parameters

Protocol	Standard	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX standards IEEE 802.3x flow control
Fiber Port Characteristic	Connector Type	SFP slot
	Transmission rate	1.25Gbps
	Transmission distance	Multi-mode: 550m/2km; Single-mode: 2/20/40/60/80/100km
	Wavelength	Multi-mode:850nm/1310nm, Single-mode:1310nm/1550nm/1490nm
Ethernet port Characteristic	Connector Type	2×2 RJ45, 2×2 RJ45
	Transmission rate	10/100Mbps auto-negotiate; 10/100/1000Mbps auto-negotiate
	Transmission distance	10Base-T: ≤250m (CAT3,4,5 UTP) 100Base-TX: ≤100m (CAT3,4,5 UTP) 1000Base-T: ≤100m (CAT3,4,5 UTP)
Exchange performance	Forward method	Store-and-forward (full wire-speed)
	Transmission mode	Half/Full duplex adaptive
	MAC address table	2K
	Packet Buffer	384K(flow control)
	Jumbo frame	15K
	Packet Forwarding Rate	11.904Mpps@64byte
	Bandwidth	16G
LED indicator	Power indicator	P: Green
	SFP indicator	SFP: Green
	Link/Act indicator	Yellow, each ethernet port
Power parameters	Input voltage	AC: 100-240V/ 50-60Hz
	Power consumption	Standby: ≤4W; whole: ≤120W
	PoE pin	1/2+,3/6-
	The port max rate	Port 1: Max 60W; Ports 2-4: Max 30W
Environment	Operating Temperature	-20℃~60℃
	Storage Temperature:	-40℃~85℃
	Operating Humidity	5%~95% non-condensing
	Heat dissipation method	Natural heat dissipation
Physical properties	Size	201×140×44mm
	Weight	Net weight:0.7kg,Gross weight:0.9kg

Product Size



Application

