

PoE Switch

(SG1621P-DPM)

Product Description

This PoE switch is equipped with 16×10/100/1000Base-T Ethernet ports and 1×1000Base-X SFP uplink slot. Among them, Port 1 supports the IEEE 802.3bt (PoE++) standard with a maximum PoE output of 60W per port, while Ports 2–16 comply with IEEE 802.3af/at PoE standards and support up to 30W power supply per port. As a power sourcing equipment (PSE), the switch can automatically detect compatible powered devices (PDs) and only supply power to standard PoE devices, effectively avoiding damage to non-PoE equipment.

With a dedicated toggle switch, Ports 1–16 can be manually forced to 10Mbps mode, extending the maximum transmission distance up to 250 meters over conventional twisted-pair cables. In addition, Ports 1–16 support mutual port isolation while maintaining independent communication with uplink ports (Ports 17–19). This architecture efficiently isolates collision domains and broadcast domains, suppresses broadcast storms, and optimizes overall network transmission efficiency. It is an ideal networking solution for video surveillance scenarios in hotels, retail stores, supermarkets, residential buildings, and small and medium-sized enterprises (SMEs).



Product Features

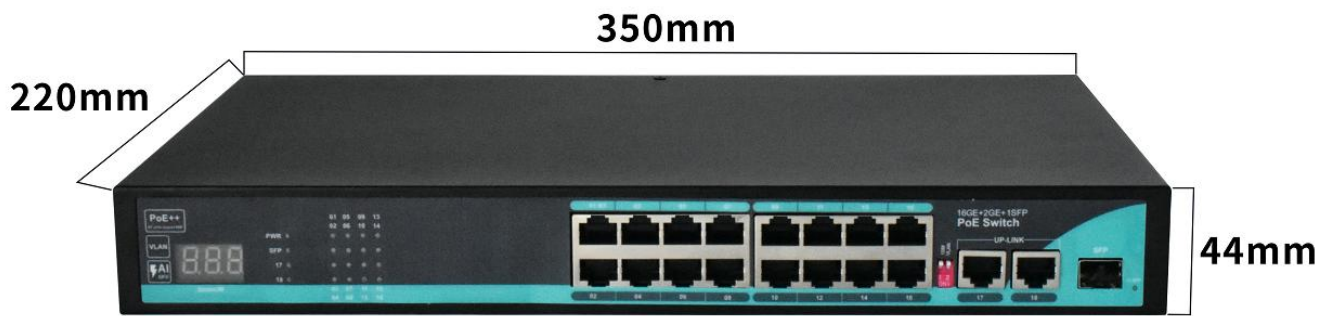
- 16 × 10/100/1000Base-T PoE ports, 2 × 10/100/1000Base-T uplink ports, 1 × 1000Base-X uplink SFP slot
- Port 1 supports PoE output up to 60W; Ports 2–16 support PoE output up to 30W
- One-key 10M mode enables maximum 250m transmission distance over PoE ports
- One-key VLAN mode to effectively isolate collision domains and broadcast domains
- Real-time display of total PoE output power for all ports, facilitating installation, commissioning and after-sales service
- Auto-negotiation of 10/100/1000Mbps speed on all ethernet ports
- Auto half/full duplex negotiation and auto MDI/MDI-X for all ports
- 6kV common-mode & 6kV differential-mode surge protection for Ethernet ports
- Supports desktop, wall-mount and rack-mount installation
- Plug-and-play, easy operation with no configuration required
- Metal enclosure with built-in power supply, excellent heat dissipation for long-term stable operation

Product Parameters

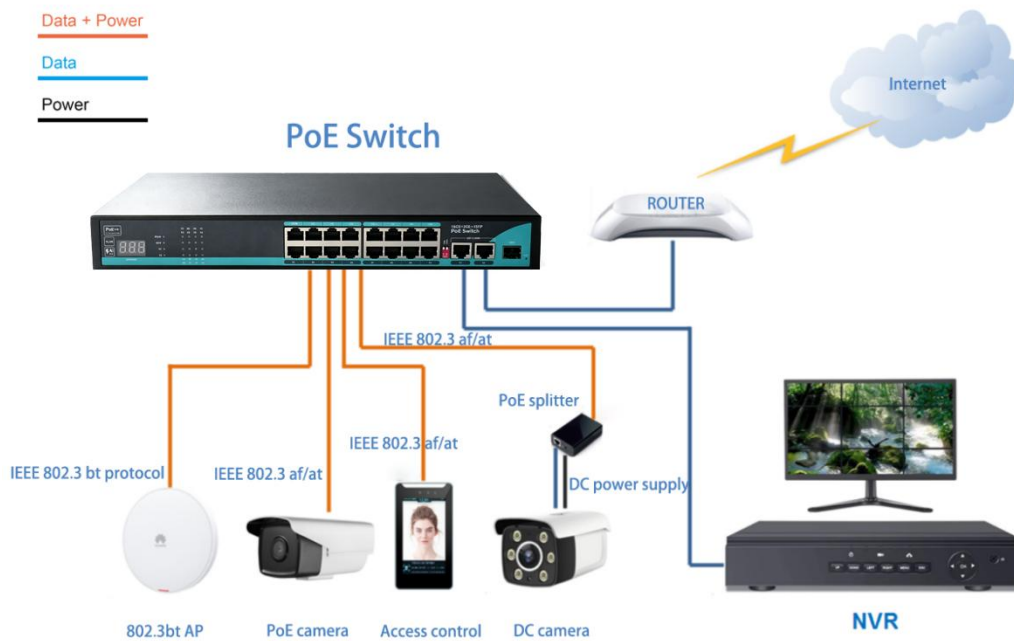
Protocol	Standard	IEEE802.3 10Base-T, IEEE 802.1p tagged frames IEEE 802.3af/at/bt Power Over Ethernet IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX standards IEEE 802.3x flow control
Fiber Port Characteristic	Connector Type	SFP slot
	Transmission rate	1.25Gbps
	Transmission 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	2×4×2 RJ45, 1×2 RJ45
	Transmission rate	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	8K
	Buffer Space	4Mbit
	Jumbo frames	15K
	Packet Forwarding Rate	28.272Mpps@64byte
	Bandwidth	38G
LED indicator	Power indicator	Green, PWR
	SFP indicator	Green
	Link/Act indicator	1 for each Ethernet port
Power parameters	Input voltage	AC100~240V, 50~60MHz
	Power consumption	Standby: ≤10W; whole: ≤300W
	PoE pin	1/2+, 3/6-
	The port max rate	Port 1: Max. 60W; Ports 2- 16: Max. 30W
Environment	Operating Temperature	-20℃~60℃
	Storage Temperature:	-40℃~75℃
	Operating Humidity	5%~95% non-condensing
	Heat dissipation method	Natural heat dissipation
Physical	Size	350×220×44mm

properties	Weight	Net weight:2kg
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Product Size



Application



Note: If there is no data communication on the AI version POE switch port, the port will automatically restart after about 3 minutes