

PoE Switch

(SL2421P-DPM)

Product Description

This PoE switch features 24×10/100Base-TX ports, 2×10/100/1000Base-T Ethernet ports and 2×1000Base-X SFP slots. Among these ports, one port complies with the IEEE 802.3bt (PoE++) standard, while the other 23 ports support PoE power supply under IEEE 802.3 af/at. It delivers up to 60W per port for IEEE 802.3bt and maximum 30W per port for IEEE 802.3 af/at.

As a PoE power-sourcing equipment, the switch automatically detects PoE-compatible powered devices. It supplies power only to compliant PDs to prevent damage to non-PoE devices.

Via a toggle switch, ports 1-16 can be forced down to 10 Mbps, enabling a maximum transmission distance of 250 m over existing twisted-pair cables. Ports 1-24 are isolated from one another yet can communicate with uplink ports (25-27). This design effectively isolates collision and broadcast domains, mitigates broadcast storms and improves network efficiency. It is an ideal solution for video-surveillance deployments in hotels, retail stores, supermarkets, residential premises and small-to-medium-sized enterprises.



Product Features

- 24 × 10/100Base-TX 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 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

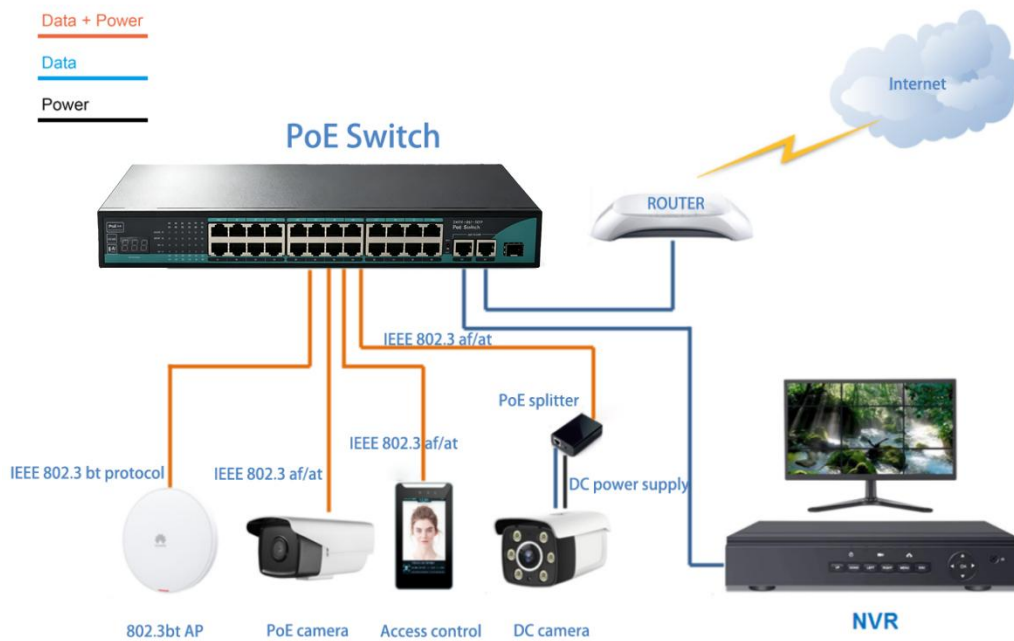
Protocol	Standard	IEEE802.3 10Base-T, IEEE 802.1p tagged frames IEEE 802.3af/at/bt Power Over Ethernet IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX standards IEEE 802.3x flow control
Fiber Port Characteristic	Connector Type	SFP slot
	Transmission rate	1.25Gbps
	Transmission 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	2×4×3 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	8.0352Mpps@64byte
	Bandwidth	10.8G
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- 24: 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	340×180×44mm

properties	Weight	Net weight:1.9kg
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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