PoE Switch

(WOR-SG2421P-SFP VLAN)

Product Description

This PoE switch has 26 10/100/1000Base-T Ethernet ports and 1 1000Base-X SFP slot, of which port 1-24 support IEEE802.3 af/at PoE (Power over Ethernet) protocol power supply. The PoE port supports a maximum output power of 25.4W. It supports standard PoE protocol, which can automatically detect whether the powered device supports PoE power supply, and it only provides the power to the same PoE protocol PD devices, it can effectively prevent damage to non-PoE powered devices.

The PoE switch can force the port 1-24 transmission rate to be reduced to 10mbps through the DIP switch, and then this will be able to transmit a maximum distance of 250m through the existing twisted pair.At the same time, the port 1-24 are in a state of mutual network isolation, but they can communicate with the uplink ports (25-27) respectively.It can effectively isolate the conflict domain and broadcast domain, reduce the generation of broadcast storms, and improve the efficiency of network communication. It is an ideal choice for video surveillance networking in hotels, shops, supermarkets, family homes and small and medium-sized enterprises.
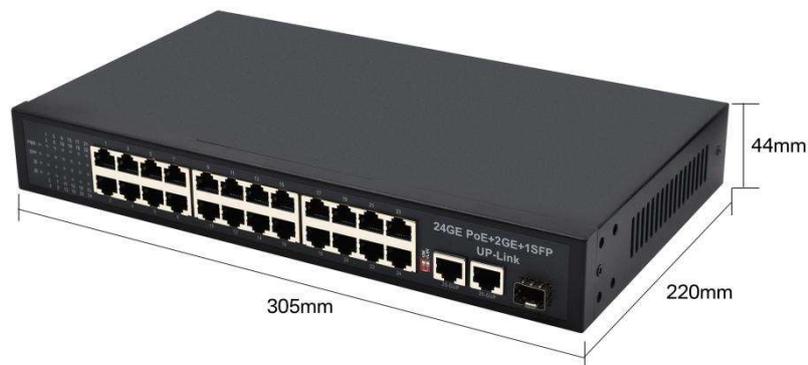

Product Features

- 24 10/100/1000Base-T POE ports, 2 10/100/1000Base-T uplink ethernet port, 1 1000Base-X uplink SFP slot;

- Support IEEE802.3 af/at PoE protocol, An PoE RJ45 port can supply maximum power output of 25.4W;

- Supports one-click switching to VLAN mode and 250m ultra-long distance transmission mode;

- Support 10/100/1000Mbps auto-negotiate;

- Support Half/Full duplex adaptive, and auto MDI/MDI-X function;

- All port support wire-speed forwarding;

- Support desktop and wall-mounted, and rack-mount installation;

- Plug and Play, no configuration requirements;

- Metal case, internal power supply, and have excellent heat dissipation performance can let the product running stable for a long time

- **Extra option:** 6KV commo mode/4KV differential mode surge protection function;

- **Extra option:** AI network self-healing (watchdog) function;

Product Parameters

Standards & Protocol	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX standards IEEE 802.1p tagged frames IEEE 802.3af/at Power Over Ethernet IEEE 802.3x flow control
Interface information	Single-mode SFP optical port: 1 1000Base-X optical port (uplink optical port)
	Transmission rate: 1.25G
	Multi-mode: 550m/2km; Single-mode: 2/20/40/60/80/100km
	Multi-mode: 850nm/1310nm, single mode: 1310nm/1550nm/1490nm
	RJ45 ethernet port: 24 10/100/1000M Base-T ethernet ports (POE, POE+)
	RJ45 ethernet port: 2 10/100/1000M Base-T ethernet ports (uplink port)
	10/100/1000Mbps adaptive
	10Base-T: ≤250m (CAT3,4,5 UTP)
	100Base-TX: ≤100m (CAT3,4,5 UTP)
	1000Base-T: ≤100m (CAT3,4,5 UTP)
Mechanical properties	Shell material: metal shell
	Product size: (length*depth*height): 305×220×44mm
	Installation method: Desktop
	Heat dissipation method: natural cooling, no fan
	Weight: <2.1KG
Environmental properties	Working temperature: -20℃～+60℃
	Storage temperature: -20℃～+85℃
	Relative humidity: 5% ~ 95% (non-condensing)
Exchange properties	Bandwidth:54Gbps
	Packet forwarding rate (whole machine) : 40.176Mpps
	Exchange method: store-and-forward
	MAC table : 8K
	Case space : 4m
	Jumbo frame: 9K
Power supply	Input voltage: AC100~240V，50Hz

	Standby: ≤5-10W; Full-load: ≤200W
PoE	802.3AF/AT(1/2+，3/6-)
indicator light	Ethernet Port light (fluctuation switch control): ➢ Link/ACT/POE: Green (10/100/1000M); ➢ VLAN OFF ➢ VLAN ON
	Fiber port indicator: Green
	Power(Power system indicator light): Green

Product Size

44mm

305mm

220mm

Application

Data + Power
Data
Power
Optical fiber

The Internet

NVR

POE separator

Non-standard camera   POE camera   Smart access control   Wireless AP