

# Network Unmanaged PoE Switch

## Model No. SA-PES24E2G1S

**(24CH POE Switch 10/100/1000mbps 320W)**

### Product Description

This PoE switch has 24 10/100Base-TX Ethernet ports, 2 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, and the maximum PoE power output of whole machine is 320W; It is support standard PoE protocol, which can automatically detect whether the powered device supports PoE power supply, and it only provide 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 1-16 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 10/100Base-TX PoE ports, 2 10/100/1000Base-T uplink ports, and 1 1000Base-X SFP uplink slot;
- Support IEEE802.3 af/at PoE protocol, An PoE RJ45 port can supply maximum power output of 15.4W;
- Support one-key switch to VLAN mode and 250m long distance transmission mode;
- Port 1-24 support 10/100Mbps auto-negotiate, port 25-26 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, Excellent heat dissipation performance can let the product running stable for a long time

### Product Parameters

Processor	IC .LQFP128-RTL8376S, QFN64-RTL8309N, QFN48-RTL8305NB	
Protocol	Standard	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX standards IEEE802.1W Spanning Tree 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 RJ45, 1×1 RJ45
	Transmission rate	10/100Mbps auto-negotiate; 10/100/1000Mbps auto-negotiate
	Transmission distance	10Base-T: ≤250m (CAT3,4,5,6 UTP) 100Base-TX: ≤100m (CAT3,4,5,6 UTP) 1000Base-T: ≤100m (CAT3,4,5,6 UTP)
Exchange performance	Forward method	Store-and-forward (full wire-speed)
	Transmission mode	Half/Full duplex adaptive
	MAC address table	2K
	Case space	1Mb
	Jumbo frames	9216b
	Packet Forwarding Rate	8.0352Mpps@64byte
	Bandwidth	10.8G (non-blocking)
LED indicator	Power indicator	Green, PWR
	Link/Act indicator	Green, per Ethernet port and fiber port
DIP switch	100m	Standard mode - All ports can communicate with each other.
	250m	Extend mode, port 1-24 are isolated from each other, transmission distance can up to 250m, and can communicate with port 25-27.
Power parameters	Input voltage	AC100~240V, 50Hz
	Power consumption	Standby: ≤3W; whole: ≤320W
	PoE pin	1/2+,3/6-
	The port max rate	≤25.4W
Environment	Operating Temperature	-20℃ ~ 60℃
	Storage Temperature:	-40℃ ~ 85℃
	Operating Humidity	5% ~ 95% non-condensing

	Heat dissipation method	Natural heat dissipation
Physical properties	Size	305×182×44mm