24*10/100M POE ports+2*1000M Ethernet Uplink ports+2*Gigabit SFP Uplink port

➢ Features

- Support 24*10/100M POE ports + 2*1000M Ethernet Uplink ports+2*Gigabit SFP(Combo);
- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3x, IEEE802.3af/at standards;
- Ethernet port supports 10/100M adaptive and POE functions;
- Full-duplex support IEEE 802.3x, half-duplex support Back pressure standard;
- Support MDI/MDI-X auto negotiation;
- All ports support wire-speed switching;
- Automatically powered to adaptive devices;
- LED indicators for easy diagnosis and monitoring work status;
- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w);
- 1-8 Port support QoS;
- Support VLAN Mode and Extend 250 meters Mode;
- Support 1U Rack Mount;
- Total PoE power: 300W;
- Support -20-50°C wide operating temperature range;
- Warranty:3years;

➢ Introduction

POE3024-2G-2GS PoE Switches support 24*10/100M POE ports + 2*10/100/1000M Ethernet Uplink ports + 2*Gigabit SFP Uplink port (Combo), support VLAN mode and Extend 250 meters Mode, widely used in Ethernet access applications such as small and medium-sized enterprises, Smart cities, security monitoring, and schools.

PoE switch is a kind of network switch that applies Power over Ethernet technology, which transmits both power and data to IP-based terminals (such as IP phones, wireless access APs, network cameras) through a single twisted-pair cable.

Devices that support PoE can be power sourcing equipment (PSE), powered devices (PD), or sometimes both, the device that transmits power is a PSE, and the device that is powered is a PD. Most PSEs are either network switches or PoE injectors.

PoE technology can automatically detect power consumption of the powered devices and provide the required amount of power to maximize the use of power resources and save costs. On the other hand, non-PoE device intelligently detects no power and only transmits data.

PoE Switches do not need to run additional power cord to connect to the devices, saving the costs of power cables, power outlets, and infrastructure equipment required for electrical installation. PoE powered devices can be easily moved to locations where there is no power outlet, such as wireless network repeaters or IP security cameras because they are usually installed on high walls or ceilings away from power socket.
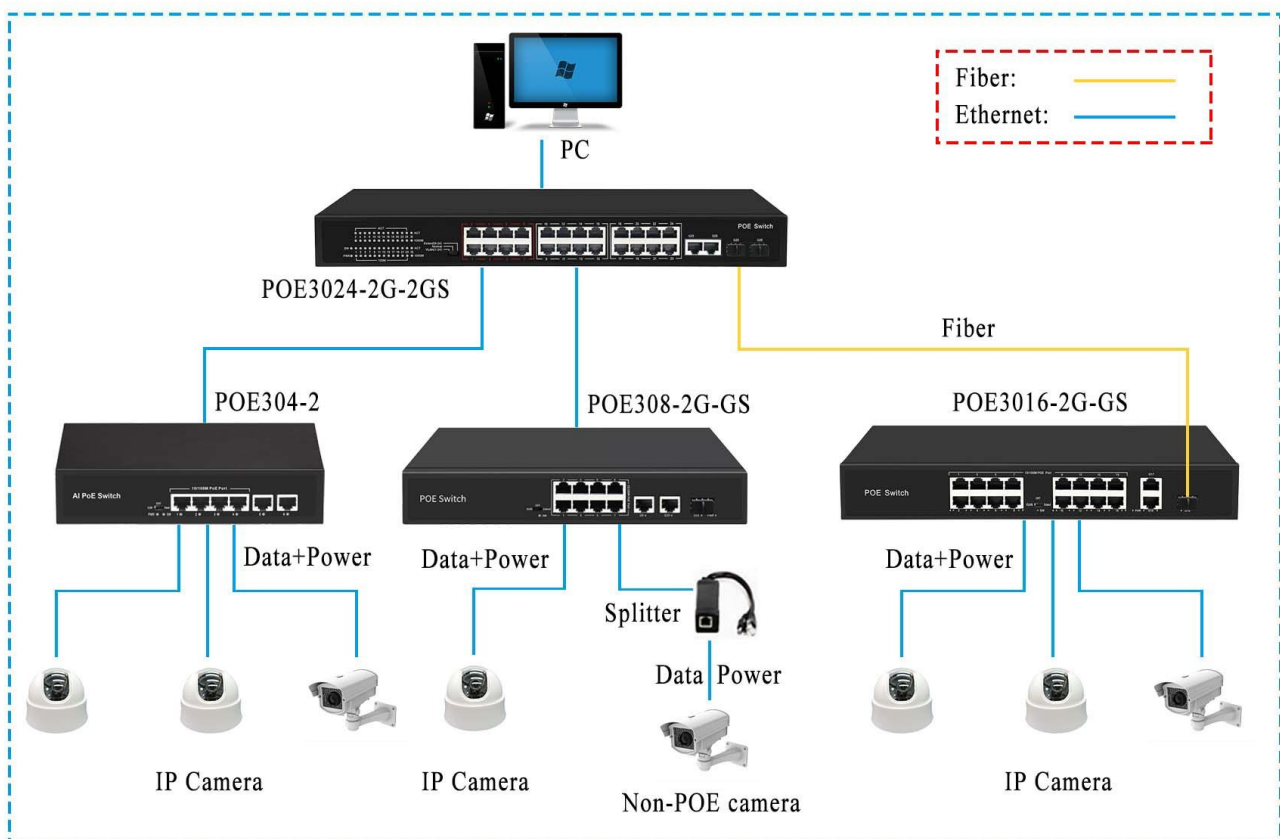
Power over Ethernet (POE) technology transmits 100M or 1000Mbps data and power budget of 15W, 30W to the devices through Cat5e and Cat6 Ethernet cables at a maximum distance of 100 meters.

➢ Specification

Specification	
Product Name	24-port 10/100M PoE+2-port 1000M Ethernet Uplink+2-port Gigabit SFP (Combo)
Product Model	POE3024-2G-2GS
Performance	
Bandwidth	8.8Gbps
Throughput	6.547Mpps
Packet Buffer	4M
MAC Address	16K
Jumbo Frame	16K
Transfer Mode	Store and forward
MTBF	100000 hour
Standard	
Network protocol	IEEE802.3 (10Base-T)
	IEEE802.3u (100Base-TX)
	IEEE802.3ab (1000Base-TX)
	IEEE802.3x (Flow control)
PoE Protocol	IEEE802.3af (15.4W)
	IEEE802.3at (30W)
Network Medium	10Base-T: Cat3,4,5 or above UTP (≤100m)
	100Base-TX: Cat5 or above UTP(≤100m)
	1000Base-TX : Cat5 or above UTP(≤100m)
Gigabit SFP	Multimode fiber : 50/125, 62.5/125, 100/140μm
	Single mode fiber: 8/125, 8.7/125, 9/125, 10/125μm
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A
	EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge)
	Shock: IEC 60068-2-27
	Free Fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
Environment	
Working Temperature	-20-50ºC
Storage Temperature	-40-85ºC
Working Humidity	10%~90%, non-condensing
Working Height	Maximum10,000 feet
Indication	
LED Indicators	PWR (Power indicator), SW (DIP indicator), 1-26 Link (Network Link),

	1-26 ACT (ACT indicator)
DIP Switch	**VLAN**：Port Isolation, 1-24 ports are isolated each other, all communicate with uplink port 25, 26;
	Default: Default mode, all ports communicate with each other;
	Extend：Monitor Mode, 9-24 ports support 100M speed reduction negotiation, support 250 meters in 10Mbps/s mode;
Power Supply	Input Voltage: AC 100-240 V
	Power Budget：300W
Mechanical	
Structure Size	Product Dimension: (L*W*H): 440mm *205mm* 44 mm
	Package Dimension (L*W*H): 500mm *275mm * 85 mm
	Net Weight: 2.2kg
	Gross Weight: 2.8kg
Warranty	
Warranty	3 Years
Certification	CE, FCC, RoHS

➢ **Application**

➢ Ordering Information

Model NO.	Description
POE304-2	4-port 10/100M PoE + 2-port 10/100M Ethernet Uplink, total:65W
POE308-2	8-port 10/100M POE + 2-port 10/100M Ethernet Uplink ports, total:120W
POE308-2G	8-port 10/100M PoE + 2-port 1000M Ethernet Uplink, total:120W
POE308-2G-GS	8-port 10/100M PoE + 2-port 1000M Ethernet Uplink +1-port Gigabit SFP Uplink, total:120W
POE3016-2G-GS	16-port 10/100M PoE + 2-port 1000M Ethernet Uplink +1-port Gigabit SFP Uplink, total:200W
POE3024-2G-GS	24-port 10/100M PoE + 2-port 1000M Ethernet Uplink +1-port Gigabit SFP Uplink, total:300W
POE3024-2G-2GS	24-port 10/100M PoE + 2-port 1000M Ethernet Uplink +2-port Gigabit SFP Uplink, total:300W

➢ Packing List

- Power Over Ethernet Switch *1
- Power cord *1
- User manual * 1
- Certificate of quality * 1
- Brackets (Selectable) * 1
- Warranty card * 1