24*10/100/1000M PoE Ports + 2*Gigabit SFP Uplink Port

➢ Features

- Support 24* 10/100/1000M PoE Ports + 2* Gigabit SFP Uplink Port;
- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z;
- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w);
- Ethernet port supports 10/100/1000M 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;
- 1-8 Port support QoS;
- Support VLAN Mode and port 17-24 support extend to 250 meters;
- Support 1U Rack Mount installation;
- Total PoE power: 300W;
- Support -20-50°C wide operating temperature range;
- Warranty:3years;

➢ Introduction

POE3024G-2GS PoE Switches support 24 Port 10/100/1000M PoE + 2 Port Gigabit SFP Uplink, support VLAN Mode and port 17-24 support extend to 250 meters, 1-8 Port support QoS, 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.
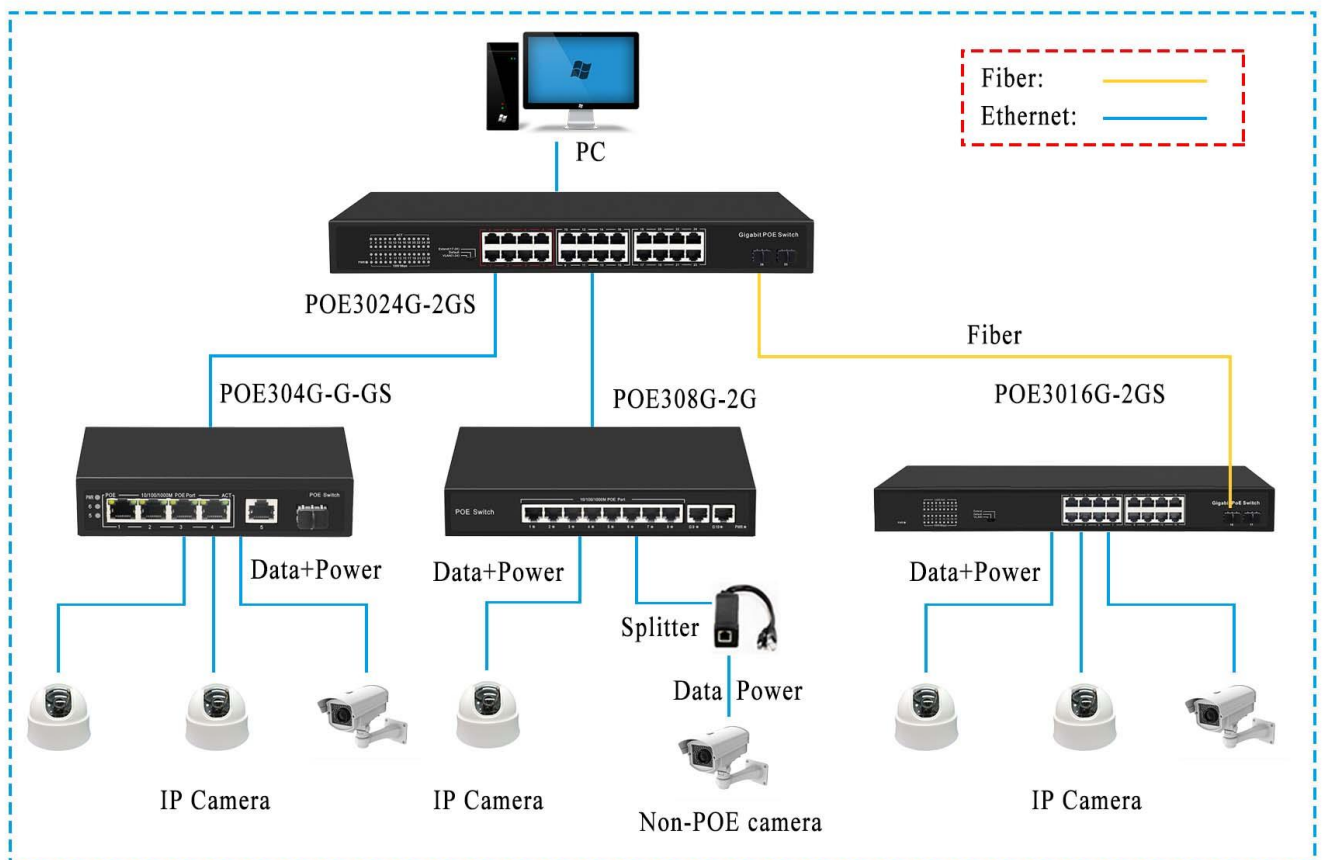
Power over Ethernet (POE) technology transmits 100M or 1000Mbps data and power budget of 15W, 30W to the devices through Cat5e and Cat6 Ethernet cables at a maximum distance of 100 meters.

➢ Specification

Specification	
Product Name	24*10/100/1000M PoE Ports + 2*Gigabit SFP Uplink Ports POE Switches
Product Model	POE3024G-2GS
Performance	
Bandwidth	52Gbps
Throughput	38.7Mpps
Packet Buffer Memory	4M
MAC Address	8K
Jumbo Frame	9Kbytes
Transfer Mode	Store and forward
MTBF	100000 hour
Network protocol	IEEE802.3 (10Base-T)
	IEEE802.3u (100Base-TX)
	IEEE802.3x (Flow control)
	IEEE802.3ab
	IEEE802.3z
PoE Protocol	IEEE802.3af (15.4W)
	IEEE802.3at (30W)
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
Network Medium	10Base-T : Cat3,4,5 or above UTP(≤100m)
	100Base-TX: Cat5 or above UTP(≤100m)
	1000BASE-TX: Cat5 or more UTP (≤100 meter)
Gigabit Fiber	Multi-mode: 850nm,1310nm, transmission distance:550m/2Km
	Single-mode: 1310nm,1550nm. Distance: 20/40/60/80/100/120Km
Environment	
Working Temperature	-20-50°C
Storage Temperature	-40-85°C
Working Humidity	10%~90%, non-condensing
Working Height	Maximum10,000 feet
Indication	

LED Indicators	PWR (power supply), ACT (Link&Data),1000Mbps (1000M Link)
DIP Switch	**VLAN**: 1-24 port is isolated each other, but all can communicate with uplink port 25/26
	Default :All ports communicate freely
	Extend:17-24 Port support 250 meters transmission on 10Mbps/s
Power Supply	Power input: AC100-240V 50/60Hz
	Output: 52V/7.69A
	Power Budget: 300W
Mechanical	
Structure Size	Product Dimension: (L*W*H): 445mm*285mm*45mm
	Package Dimension (L*W*H): 500mm*350mm*90mm
	Net Weight: 3.2kg
	Gross Weight: 3.8kg
Warranty	
Warranty	3 Years
Certification	CE, FCC, RoHS

➢ **Application**

➢ Ordering Information

Model NO.	Description
POE304G-G-GS	4-port 10/100/1000M PoE + 1-port Gigabit SFP + 1-port 1000M Ethernet, total power:65W
POE304G-2GS	4-port 10/100/1000M PoE + 2-port Gigabit SFP, total power:65W
POE308G-2G	8-port 10/100/1000M PoE + 2-port 1000M Ethernet, total power:120W
POE308G-2GS	8-port 10/100/1000M PoE + 2-port Gigabit SFP, total power:120W
POE3016G-2GS	16-port 10/100/1000M PoE + 2-port Gigabit SFP, total power:300W
POE3024G-2GS	24-port 10/100/1000M PoE + 2-port Gigabit SFP, total power:300W

➢ Packing List

- Power Over Ethernet Switch *1
- Power cord *1
- 1U Rack Mount *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1