

16*10/100M POE ports+2*1000M Ethernet Uplink ports+1*Gigabit SFP Uplink port**➤ Features**

- Support 16*10/100M POE ports + 2*1000M Ethernet Uplink ports+1*Gigabit SFP;
- Comply with IEEE 802.3, IEEE 802.3u, 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;
- Automatically powered to adaptive devices;
- LED indicators for easy diagnosis and monitoring work status;
- Support for VLAN mode, OFF mode and Extend mode;
- Maximum power of single PoE port: 15.4W(af), 30W(at);
- Total PoE power: 200W;
- Support -20-50°C wide operating temperature range;
- Warranty:3years

**➤ Introduction**

POE3016-2G-GS PoE Switches support 16*10/100M POE ports + 2*10/100/1000M Ethernet Uplink ports + 1*Gigabit SFP Uplink port, support VLAN mode, OFF mode and Extend 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.

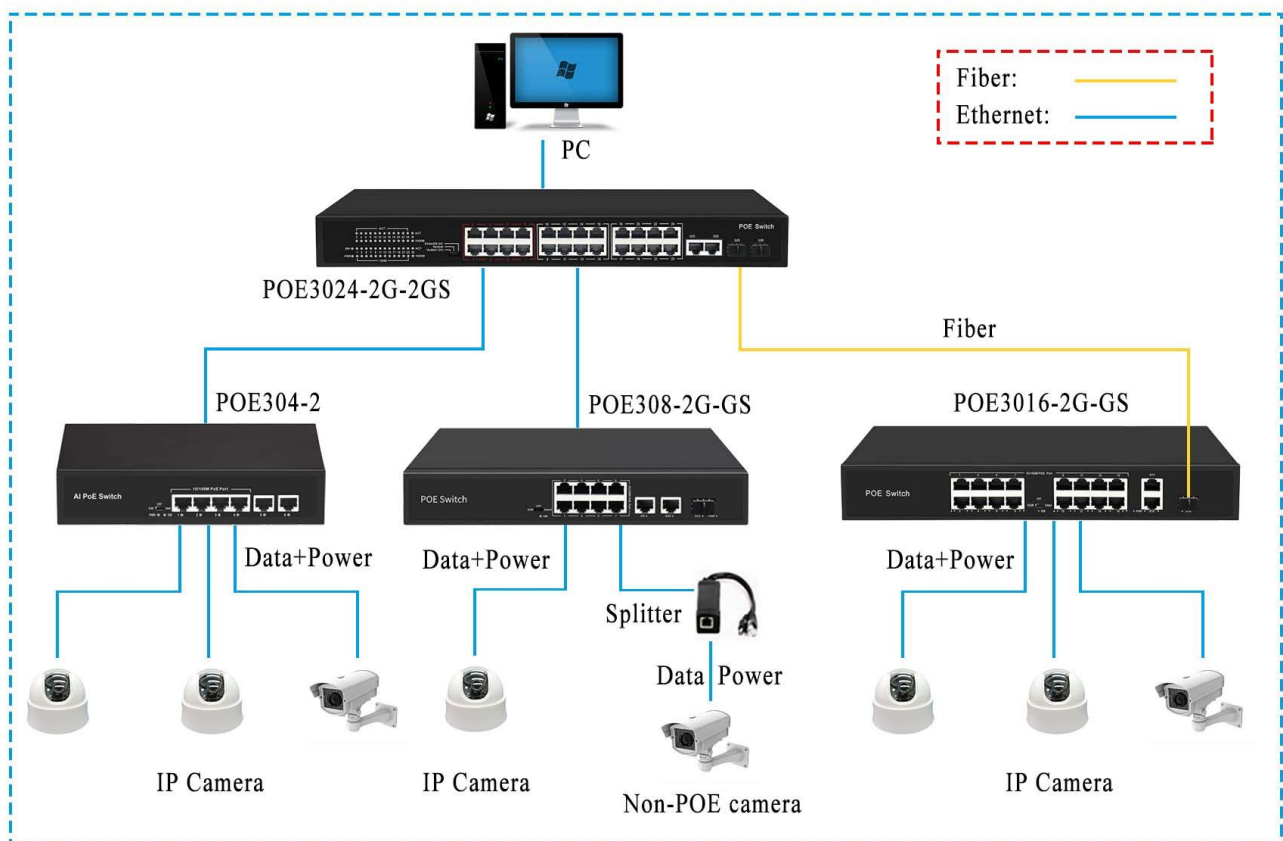
Power over Ethernet (POE) technology transmits 100M or 1000Mbps data and power budget of 15W, 30W to the devices through Cat5e and Cat6 Ethernet cables at a maximum distance of 100 meters.

➤ Specification

Specification	
Product Name	16-port 10/100M PoE + 2-port 1000M Ethernet Uplink + 1-port Gigabit SFP
Product Model	POE3016-2G-GS
Performance	
Switching Capacity	9.2Gbps
Throughput	6.844Mpps
Packet Buffer	1.5Mb
MAC Address	2K
Jumbo Frame	9216bytes
Transfer Mode	Store and forward
MTBF	100000 hour
Standard	
Network protocol	IEEE802.3 (10Base-T)
	IEEE802.3u (100Base-TX)
	IEEE802.3ab (1000Base-TX)
	IEEE802.3z(1000Base-FX)
	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)
	Shock: IEC 60068-2-27
	Free Fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
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), SW (DIP), 1-19 Green (Link&Data)
DIP Switch	VLAN: Port isolation mode. In this mode, the PoE ports (1-16) of the switch cannot communicate with each other, and can only communicate with the UP-link port.
	Normal: Normal mode, all port can communicate with each other, the transmission distance is within 100 meters, the transmission rate is 10M/100M adaptive;
	Extend: Link extension mode, 1-16 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M;
Power Supply	Input Voltage: AC 100-240 V
	Power supply: 52V 5.76A/52V 3.8A
Mechanical	
Structure Size	Product Dimension: (L*W*H): 320mm *210mm* 46 mm
	Package Dimension (L*W*H): 370mm *270mm * 85 mm
	Net Weight: 1.8kg
	Gross Weight: 2.3kg
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