
GL-COM
GL-824GP-1G1SFP

Product Description

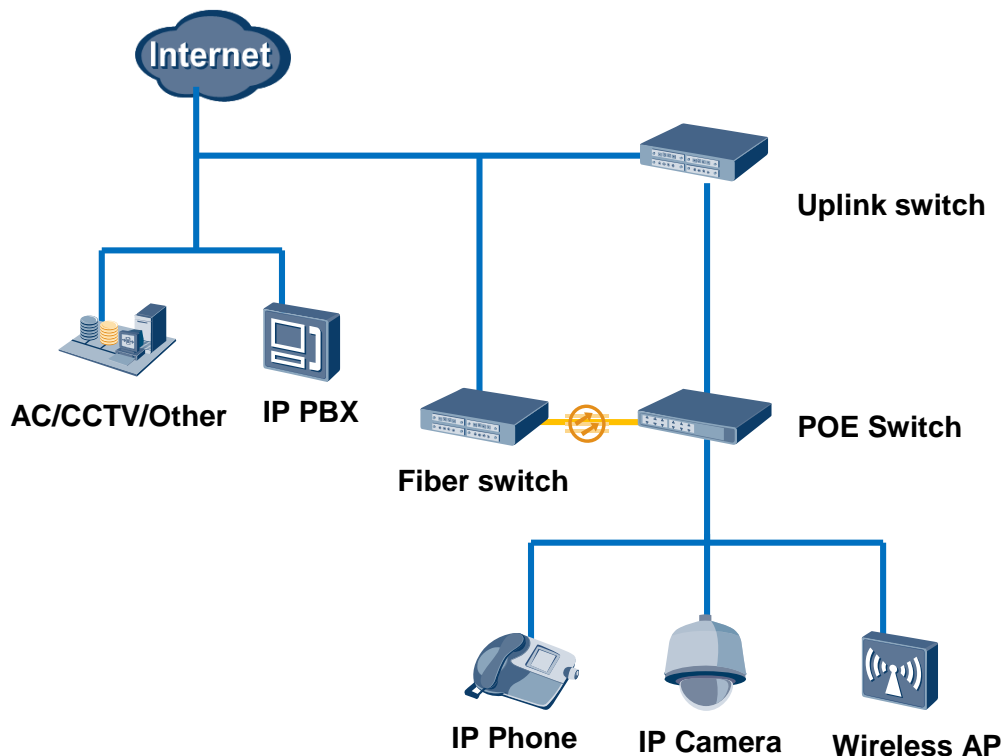
1. OVERVIEWS	3
2. FEATURES.....	3
3. PRODUCTS PANEL FIGURE	4
4. TECHNICAL SPECIFICATIONS	4

1. Overviews

The GL-824GP-1G1SFP is equipped with 24 10/100/1000BASE-T ports featuring 30-watt 802.3at Power over Ethernet Plus (PoE+) copper interfaces, 1 10/100/1000BASE-T ports RJ45 and 1 extra 1000BASE-X SFP slots with inner power system. With a total PoE power budget of up to 320 watts and non-blocking data switching performance, the GL-824GP-1G1SFP fulfills the demand of sufficient PoE power for HD IP surveillance. It offers a rack-mountable, safe and reliable power solution for SMBs deploying Power over Ethernet networks.

The PoE in-line power following the IEEE 802.3at/af standard makes the GL-824GP-1G1SFP able to deliver Gigabit speed data and up to 30 watts of power per port to 24 PoE compliant powered devices (PDs) with a combined power output budget of up to 320 watts. The GL-824GP-1G1SFP provides more flexibility in power requirement for all kinds of PDs with affordable installation costs.

Typical applications please refer to following picture



2. Features

- 24-port 10/100/1000BASE-T Gigabit Ethernet RJ45 copper with POE function
- 1 1.25Gbps SFP interfaces
- 1-port 10/100/1000BASE-T Gigabit Ethernet RJ45 copper
- Complies with IEEE 802.3af/at Power over Ethernet end-span GL
- Up to 24 ports of IEEE 802.3af/802.3at devices powered
- Supports PoE power up to 30.8 watts for each PoE port
- Each port supports 52V DC power to PoE powered device

- 320-watt PoE budget
- Auto detects powered device
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m in standard mode
- Hardware based 10/100/1000Mbps auto-negotiation and auto MDI/MDI-X
- Flow control for full duplex operation and back pressure for half duplex operation
- 10 KB Jumbo frames support

3. Products Panel Figure

Front panel



4. Technical Specifications

Item		Description
Model		GL-824GP-1G1SFP
Power Supply	Power Supply Mode	Mains on load
	Voltage Range	AC 100~240V
	Power Consumption	The device <15W, POE power supply <320W
Network Port Parameter	Network Ports	1~24 Ports: 10/100/1000Mbps Ethernet port, adaptive control UPLINK Ethernet port: 10/100/1000Mbps Ethernet port Uplink SFP:1.25Gbps
	Transmission Distance	1~24 Ethernet Port: 0~100m 1 Ethernet Uplink Port: 0~100m 1 SFP: According to different SFP
	Transmission Media	1~24 Ethernet Port: Cat5e/6 standard UTP cable, 1 Ethernet Uplink Port: Cat5e/6 standard UTP cable 1 SFP: LC interface optical fiber
	POE Agreement	IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus
	PoE Power Supply Mode	End-span method
	PoE Power Supply Wattage	Each port≤30W,Whole device<400W
	Network Switch	Network Standard

Specification		IEEE 802.3u 100BASE-TX IEEE 802.3ab Gigabit 1000BASE-T IEEE 802.3z Gigabit SX/LX IEEE 802.3x flow control and back pressure
	Swap Mode	Store-and- forward
	Switch Capacity	52Gbps
	MAC Address List	8K
Status Indicators	Power Indicator Light	One power light (green)
	Optical Fiber Port Indicator	One fiber link indication light (green), Green light keeps on when the fiber port is well connected; Blinking when transceiver data
	Uplink Port	LED (Green): On, port is link on; Off, port is link down;
	PoE Indicator	1~24 PoE indicator light
	PoE Network Port LED	1~24 port (green light on RJ45 jack) Keeps on when normally connected, Blinking when transceiver data
Protection Level	Surge Immunity	Level 3, executive standard: IEC61000-4-5
	Electrostatic Protection	1a touch electric discharge: level 3 1a Air discharge: level 3 Executive standard: IEC61000-4-2
Operating Environment	Working Temperature	-10°C ~ 55°C
	Storage Temperature	-40°C -85°C
	Humidity(non-congeal)	5~95%
Mechanical Attributes	Dimensions (L*W*H)	442mm×224mm×44.5mm
	Color	Black
	Weight	4.5kg
Reliability	Mean time between failures (MTBF)	>50000h

Environment

Operating	Temperature: 0 ~ 50 degrees C Relative Humidity: 5 ~ 95% (non-condensing)
Storage	Temperature: -20 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)