GL-COM
GL-816GP-2G

Product Description

1. Overviews

To fulfill the demand of High Power PoE for network applications with Gigabit transmission, GL-COM GL-816GP-2G PoE Gigabit Ethernet Switch is an ideal solution. Each 10/100/1000Mbps port of the it features IEEE 802.3af and IEEE 802.3at Power over Ethernet (PoE) that combine up to 260-watt PoE budget on the whole system. All RJ45 copper interfaces of it support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. It also supports standard auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables. 2 extra gigabit RJ45 for uplink.

Typical applications please refer to following picture
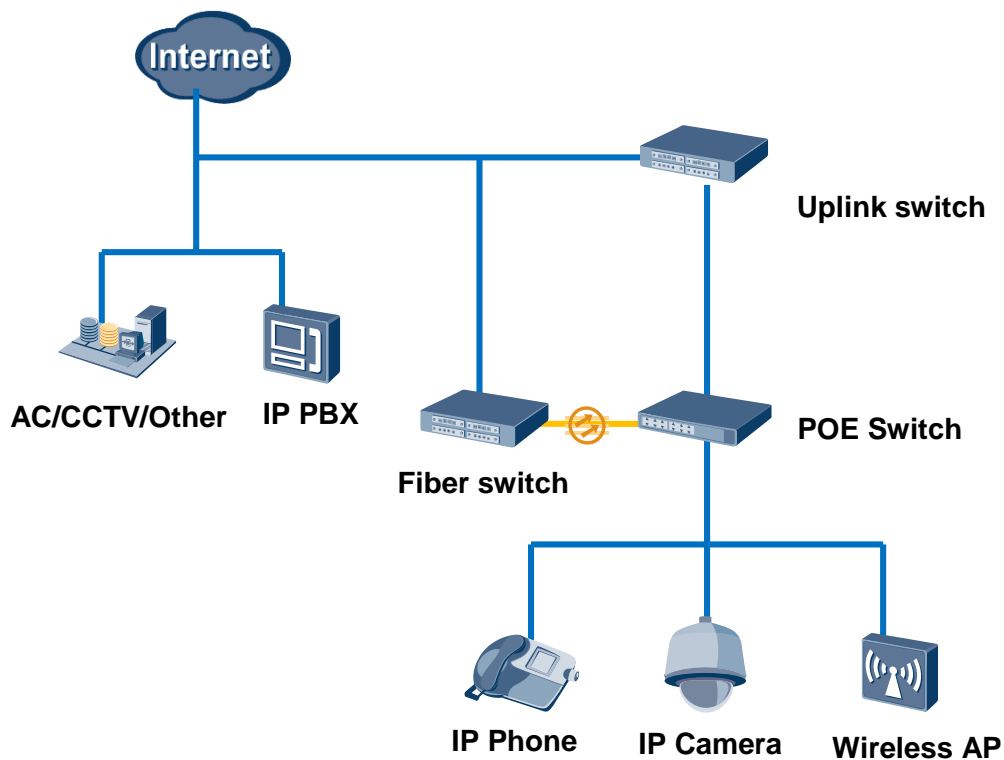
2. Features

- Complies with IEEE 802.3, 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
- 16-Port 10/100/1000Mbps supports 52V DC power to PoE Powered Device
- 2-Port 10/100/1000Mbps RJ45 interface for uplink
- Complies with IEEE 802.3af/802.3at Power over Ethernet End-Span GL
- Up to 16 IEEE 802.3af devices powered

- Supports PoE Power up to 15.4 watts for each PoE port
- Up to 8 IEEE 802.3at devices powered
- Supports PoE Power up to 30 watts for each PoE port
- 260-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m
- Hardware based 10/100/1000Mbps auto-negotiation and auto MDI/MDI-X
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Integrates address look-up engine, supporting 8K absolute MAC addresses
- Automatic address learning and address aging
- Made of metal, desktop size and wall-mount design

3. Products Panel Figure

Front panel

4. Technical Specifications

Item		Description
Model		GL-816GP-2G
Power Supply	Voltage Range	AC 100-240V
	Power Consumption	The device <5W， POE power supply <260W
Network Port Parameter	Network Ports	1～16 Ports: 10/100/1000Mbps Ethernet port, adaptive control 2-Port 10/100/1000Mbps RJ45 interface for uplink
	Transmission Distance	1~18 Ethernet Port：0~100m
	Transmission Media	1~18 Ethernet Port：Cat5e/6 standard UTP cable
	POE Agreement	IEEE802.3 af/at standards
	PoE Power Supply Mode	End-span method
	PoE Power Supply Wattage	Each port≤30W,Whole device<260W
Network Switch Specification	Network Standard	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3ab 1000BASE-T
	Swap Mode	Store-and- forward

	Switch Capacity	36Gbps
	MAC Address List	8K
Status Indicators	Power Indicator Light	One power light （green）
	PoE Indicator	1~16 PoE indicator light（yellow）
	Network Port LED	1~18 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℃～55℃
	Storage Temperature	-40℃-85℃
	Humidity(non-congeal)	0~95%
Mechanical Attributes	Dimensions (L*W*H)	310mm×180mm×44.5mm
	Color	Black
	Weight	3kg
Reliability	Mean time between failures （MTBF）	＞50000h