

# 18 Port Gigabit PoE Switch

P/N: 6C-G1620GS



## Introduction

18 Port Gigabit PoE Switch, using high-quality high-speed network IC and the most stable PoE chip, PoE Port support 802.3af and 802.3at standard both, this series of PoE Switch can be 10/100M/1000M Ethernet. The network provides a seamless connection, and the PoE power port can automatically detect and power the powered devices that comply with the IEEE802.3af or IEEE802.3at standards. The non-PoE device intelligently detects no power and only transmits data.

PoE is Power over Ethernet, which refers to the transmission of data signals to some IP-based terminals (such as IP phones, wireless access APs, network cameras, etc.), but also provides DC power for this device. Technology, these devices that receive DC power are called powered devices.

## Features

- 16\*10/100/1000M POE ports +2\* Gigabit SFP Uplink Port
- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3ab ,IEEE802.3z IEEE802.3x standards
- Ethernet port supports 10/100/1000M adaptive
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard
- Support port auto flip (Auto MDI/MDIX)
- Automatically supplied to adaptive devices
- Panel indicator monitoring status and help failure analysis
- Support for VLAN mode, Default mode and Extend mode

- 1 U rack installation

## Application Environment

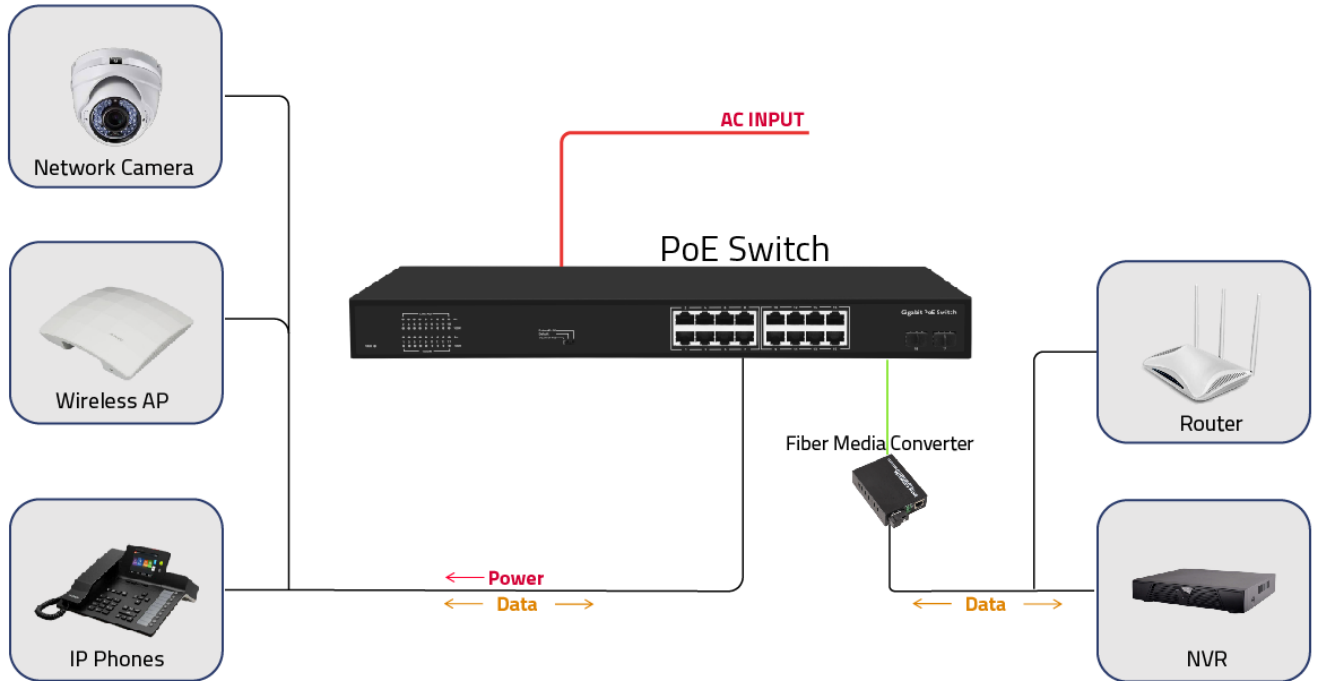
- Metro Optical Broadband Network: Data network operators such as telecommunications, cable TV, and network system integration, etc.
- Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries
- Multimedia transmission: Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications
- Real-time monitoring: Simultaneous transmission of real-time control signals, images and data

## I. Specifications

I/O Interface	
Power	Input: AC 100-240V, 50/60Hz
Ethernet	16 *10/100/1000M PoE Port 2* Gigabit SFP Uplink Port
Performance	
Switching Capacity	36Gbps
Throughput	26.784Mpps
Packet Buffer	4Mb
MAC Address	8K
Jumbo Frame	9.6Kbytes
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)
Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、 EN61000-4-4 (EFT)、 EN61000-4-5 (Surge)
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)
Optical Media	Multimode fiber : 50/125, 62.5/125, 100/140μm Single mode fiber: 8/125, 8.7/125, 9/125, 10/125μm
Protection	
Security Certificate	CE、FCC、RoHS
Environment	
Working Environment	Working Temperature: -10~50°C Storage Temperature: -40~70°C Working Humidity : 10%~90%, non-condensing Storage Temperature: 5%~90%, non-condensing
Indication	
LED Indicators	PWR (power supply) ,1-18 ACT (Link&Data) ,1-18 1000M (Link)
PWR	Lighting: Powered Un-Light: No Power
1-18 ACT (Link&Data)	Lighting: Connecting Flashing: Data Transmit Un-Light: Disconnect
1-18 1000M (Link)	Lighting: 1000M Un-Light: 10/100M
DIP Switch	VLAN ,Default ,Extend
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.
Default	Normal mode, all port can communicate with each other, the transmission distance is within 100 meters
Extend	Link extension mode, 9-16 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M
Mechanical	
Structure Size	Product Dimension : 440*204*44mm Package Dimension : 500*290*85mm N.W: 2.73Kg G.W: 3.30kg
Packing Info	Carton MEAS: 520*445*310mm Packing Qty: 5 units Packing Weight: 17.5KG
Power Voltage	Input Voltage : AC 100-240 V Power supply: 52V3.85A
Package List	Switch 1 pcs, Power cord 1 pcs, User manual 1 pc, Certification 1 pc, Brackets 1 pair

## II. Application



### III. Order information

Part Number	Product Description
6C -G1620GS	18 Port Gigabit PoE Switch
6C-G0411GA	4 PORT SFP POE Switch (Built-in)
6C-F0420FLA	4POE+2FE 250m Long Distance POE Switch (Built-in)
6C-F0920FLA	9POE+2FE 250m Long Distance POE Switch (Built-in)
6C-F1621GLA	16+2+1 Port 250m Long Distance POE Switch (Built-in)