

# 20-Port Gigabit PoE Switch



## Product Highlights

- 16\*1Gbps PoE ports+2\*1Gbps SFP ports+2\*1Gbps RJ45 ports
- Comply with IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3x、IEEE802.3z standards
- Ethernet Ports support 10/100/1000Mbps self-adaptive
- PoE port in Extend mode, ports 9-16 force 10Mbps to automatically activate PoE watchdog mode
- PoE priority is enabled by default, with priority order from 1 to 16 ports
- Flow control method: Full duplex uses IEEE 802.3x standard, while half duplex uses Back pressure standard
- The panel indicator LEDs will monitor the working status and assist in fault analysis
- Support Extend mode
- Port 1-2 support Hi-PoE 60W

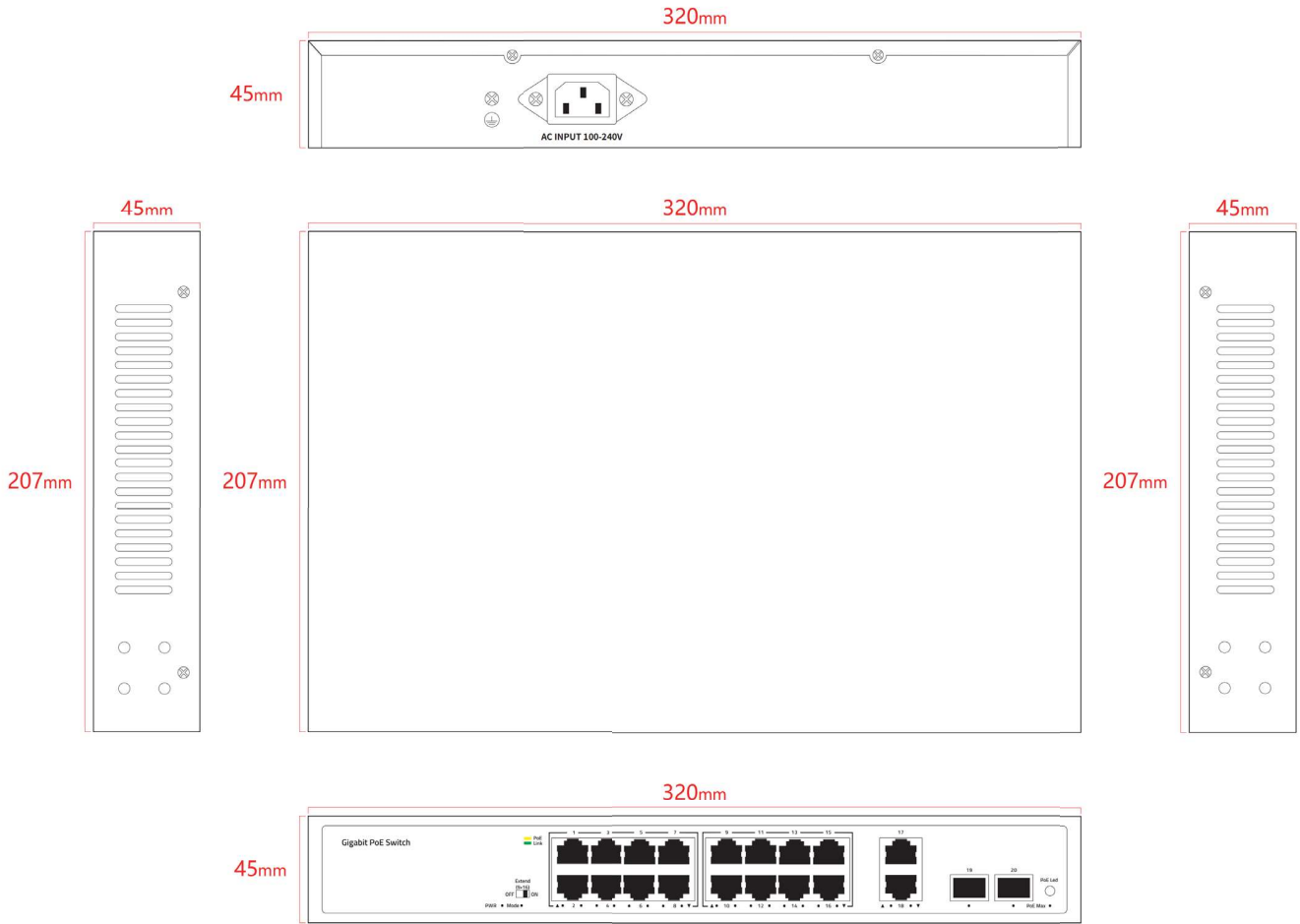
## Hardware Features

Description	Specification
Model	SF-SW2016HIPOE-GF-300
Interface	16*1Gbps PoE ports 2*1Gbps uplink SFP ports 2*1Gbps RJ45 ports
Port Standard	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE802.3x (Flow Control) IEEE 802.3z (Gigabit Ethernet Fiber Standard)
Switching Bandwidth	40Gbps
Packet Forwarding Rate	29.76Mpps
Packet Buffer	3Mbit
MAC Address Table	2K
Transmission Method	Store and Forward
PoE Standard	IEEE802.3af (15.4W) IEEE802.3at (30W)
PoE Port Output Voltage	DC 44-57V
PoE Ports	Port 1-2 support HiPoE 60W Port 3-16 PoE power output <30W
PoE Power Budget	285W
Power Supply	AC 100-240V 50/60Hz DC 52V 5.76A
Mainboard Power Consumption	12.9W
Structure Information	Product Dimensions: 320*207*45mm Packaging Dimensions: 370*290*85mm Product Net Weight: 1.87KG Product Gross Weight: 2.43KG
Packing Information	Carton Dimensions: 445*310*390mm Packing Quantity: 5PCS Packing Weight: 13.15KG
Package Contents	Switch 1pcs, Power Cord 1pcs, Manual 1pcs, Certificate of Inspection 1pcs
Fan Quantity	0
Installation	Desktop, Rack-Mounting

## Hardware Features

Description	Specification
Surge Protection	Port Surge: Common mode 4KV, Differential mode 2KV Electrostatic ESD: Air 8KV, Contact 6KV (Class C)
Operating Temperature	0~40°C
Storage Temperature	-40~70°C
Operation Humidity	10%~90%, non condensing
Storage Humidity	5%~95%, non condensing
PWR Green LED	On: Powered on Off: Powered off
Ports 1-20 Green LED	On: 10/100/1000Mbps Link normal Off: Link blocked Flashing: Data transmitting
PoE Yellow LED	On: PoE powered on Off: PoE powered off
PoE Max Green LED	Off: Indicate that the PoE power usage is less than 90% Flashing(Once per second): Indicate that the PoE power usage of $90\% \leq P \leq 95\%$ On: Indicate that the PoE power is used at $95\% < P < 100\%$
PoE LED Buttons	Dual color light selection: default green (link data), switch yellow light (PoE)
Mode Green LED	Flashing: Extend on Off: Extend off
Extend Mode Button	OFF: Normal mode, all ports can communicate with each other, transmission distance is within 100 meters, transmission rate is 10/100/1000Mbps adaptive(PoE Watchdog off) ON: Extend mode, ports 9-16 force 10Mbps to extend the transmission distance to 250meters, and automatically activate the PoE watchdog mode

# Product Structure Diagram



**Mounting ear diagram (Standard, support to install on the cabinet)**

Unit of size: mm

**Rack mounting ears**

