

TP-SW16GBT/AT/PSV-U Gigabit 16-Port 802.3bt/at/psv PoE + SFP

Industrial L3 Managed Ethernet Switch

Quick Installation Guide

Packing List

Please check the following items after unpacking, if any missing, please contact your local dealer.

Items	Quantity
PoE Switch	1 pc
AC Power Cable	1 pc
Mounting Accessory	1 set
Quick Installation Guide	1 pc

Product Overview

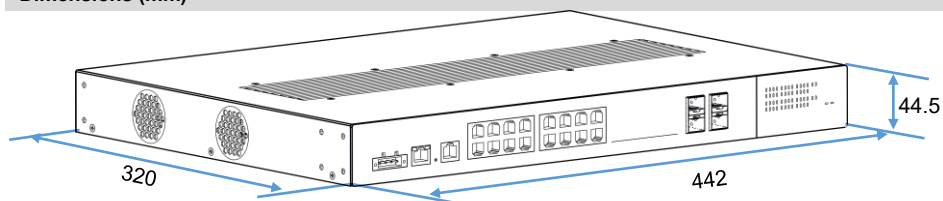
The product is an Industrial 4-Port Gigabit PoE++, 12-Port Gigabit PoE+, 4-Port 1.25G SFP L3 Managed Ethernet PoE Switch.

The switch provides 16*10/100/1000Mbps Ethernet RJ-45 ports and 4*1000Mbps SFP uplink ports. All RJ-45 ports support Power-over-Ethernet (PoE). It meets IEEE 802.3af/at/bt standards. RJ-45 ports also support passive PoE (54V/24V). Ports 1-4 support 802.3bt 90W or 54V 30W power, Ports 5-16 support 802.3at 30W or 24V 15W power.

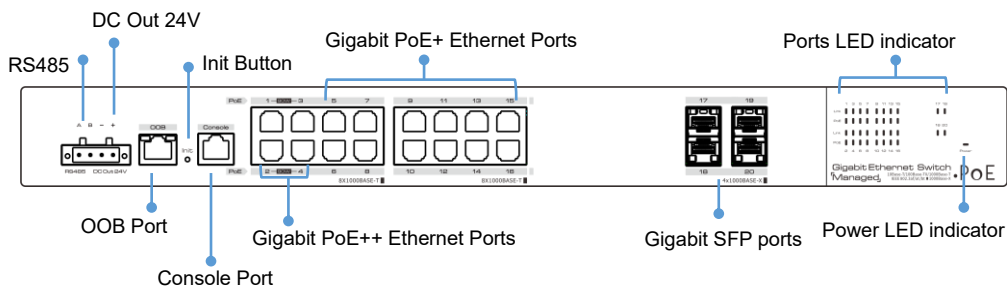
The switch has L3 management functions, such as RIP,DHCP,OSPF,802.1Q VLAN, 802.1p QoS, SNMP, Fast-Ring, and PoE control. It can be easily managed via a WEB GUI (http/https), CLI (telnet/ssh/console) or SNMP. It can be widely used in video security monitoring systems, network projects, etc.

Appearance and Dimensions

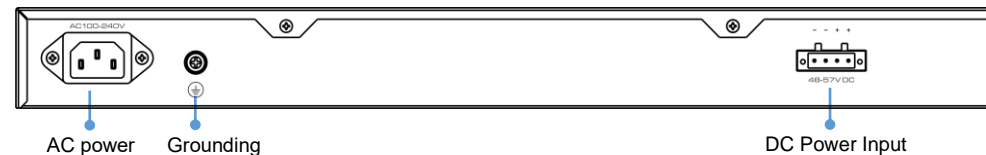
Dimensions (mm)



Front Panel



Rear Panel



Indicator

Indicator	Color	Status	Description	
Power	Power indicator	Red	Solid On	Power supply is on.
			Off	Power supply is off.
PoE	PoE indicator	Yellow	Solid On	PoE Power.
			Off	PoE is not powered
Link	Link indicator	Green	Solid On	Port is linking normally.
			Blink	Port is transmitting or receiving data.
			Off	Port is linking down.

Factory Settings

The switch starts with its factory settings:

Item	Specifications
Console Port	Baud rate: 115200 bit/s Data bits: 8 Parity: None Stop bits: 1 Flow control: None
Web Manager	Default IP address/subnet mask: 192.168.1.200/255.255.255.0 User/Password: admin/admin

Reset/Init Button

The Reset/Init button has two operating modes:

- Momentary Press: Switch will be reset and the configuration is as previously saved.
- >5s Press: Switch will be restored to the original factory default setting.

Caution

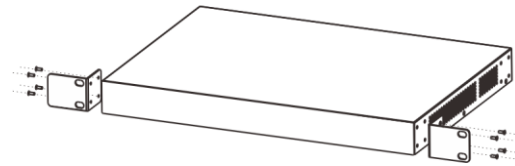
- Power on the system only after confirming that the wiring is correct, to avoid damage to the equipment. It is recommended to use the power cable in the package to connect the power supply.
- For better transmission performance, it is recommended to use high-performance Ethernet cable to connect the switch and powered devices.
- For better protection performance, it is recommended to always make the ground connection first and disconnect it last when operating the device.
- Before operating or maintaining the switch, please read the user manual carefully to avoid equipment damage caused by improper operation.

Product Installation

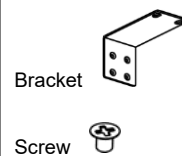
- 1) Before installation, power off the equipment. Installation when device is powered on is prohibited.
- 2) The switch supports rack/desktop/wall mounted installation.

Following with the rack-mounted installation steps:

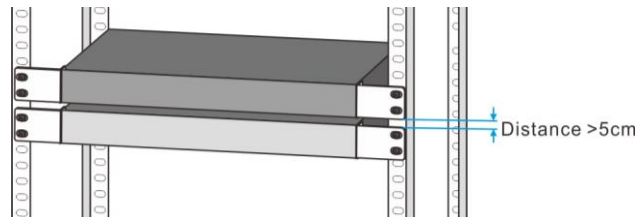
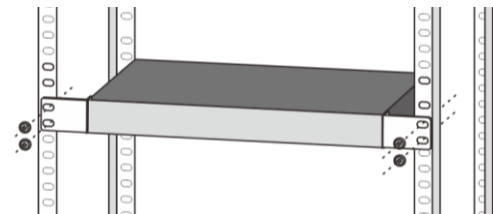
Step a: Fix the brackets on the side of the switch.



Accessories



Step b: Install the switch on the rack. The distance between the devices should be more than 5cm.



- 3) After the above steps are completed, connect the switch and other equipment using a high-performance Ethernet cable.
- 4) Check the installation and the wiring. After confirming that the connection is correct and reliable, power on the switch.

The installation is completed.

Specifications

Item	
Hardware Specifications	
Ethernet Ports	16* 10/100/1000Base-T PoE RJ45(Auto-MDI/MDI-X) 4*1000Base-X SFP
Management Ports	1*RJ-45 Console 1*10/100Base-TX RJ45(only used to Web management)
Serial Port	1*RS-485
Aux DC Power Out	24V/0.25A
Init Button	Short press to restart the device, Long press >5s to initialize the system to factory default.
LED Indicators	1*Power, Power indicator 16*PoE, PoE indicators 20*Link, Link indicators
Dimensions (W*D*H)	442mm*320mm*44.5mm
Net Weight	6.368 kg
Input Voltage	Supports redundant power supply: AC 100-240V 50/60Hz and/or DC 48-57V power source
Maximum Total Power Out	400W
Self-Consumption	16W Typ
Installation	Rack / Wall Mount / Desktop
Material	Metal shell
Switch Property	
Forwarding Modes	Store and Forward
Switching Capacity	40Gbps / non-blocking
Packet Forwarding Rate	29.76Mpps
MAC Table	16k, support auto learning
Port Buffer	1.5MB
Jumbo Frame	9kB
PoE	
Device Type	PSE
PoE Standard	IEEE 802.3af/at/bt and 54V/24V Passive PoE
PoE Power Supply Type	End-span
PoE Pin Assignment	Port 1-4: 802.3bt = 3,6,4,5 (V+) 1,2,7,8 (V-), 54V Passive PoE = 4,5 (V+) 7,8 (V-) Port 5-16: 802.3at = 1,2 (V+) 3,6(V-), 24V Passive PoE = 4,5 (V+) 7,8 (V-)
Port PoE Power	Port 1-4: 802.3bt 90W or 54V 30W Passive PoE Port 5-16: 802.3at 30W or 24V 15W Passive PoE
Reliability	
ESD	IEC61000-4-2, Level 3: Contact Discharge: ±8kV, Air Discharge: ±15kV
Surge Protection	IEC61000-4-5, Data Port: ±6kV
Operating	-30°C ~65°C, 5%~95% (Non-condensing)
Storage	-40°C ~85°C, 5%~95% (Non-condensing)
Certifications	
Certifications	CE, FCC

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