

Installation Guide

JetStream Gigabit Smart PoE+ Switch

LED Explanation

PoE MAX 


On: 51 W ≤ Total power supply < 58 W
 Flashing: Total power supply keeps ≥ 51 W more than 2 minutes
 Off: Total power supply < 51 W

Power 

On: Power on
 Off: Power off

SPF1/SFP2  


On (Green): Connected to a 1000 Mbps device
 On (Yellow): Connected to a 100 Mbps device
 Flashing: Transmitting/receiving data

Link/Act (port 1–8) 

On (Green): Running at 1000 Mbps
 On (Yellow): Running at 10/100 Mbps
 Flashing: Transmitting/receiving data

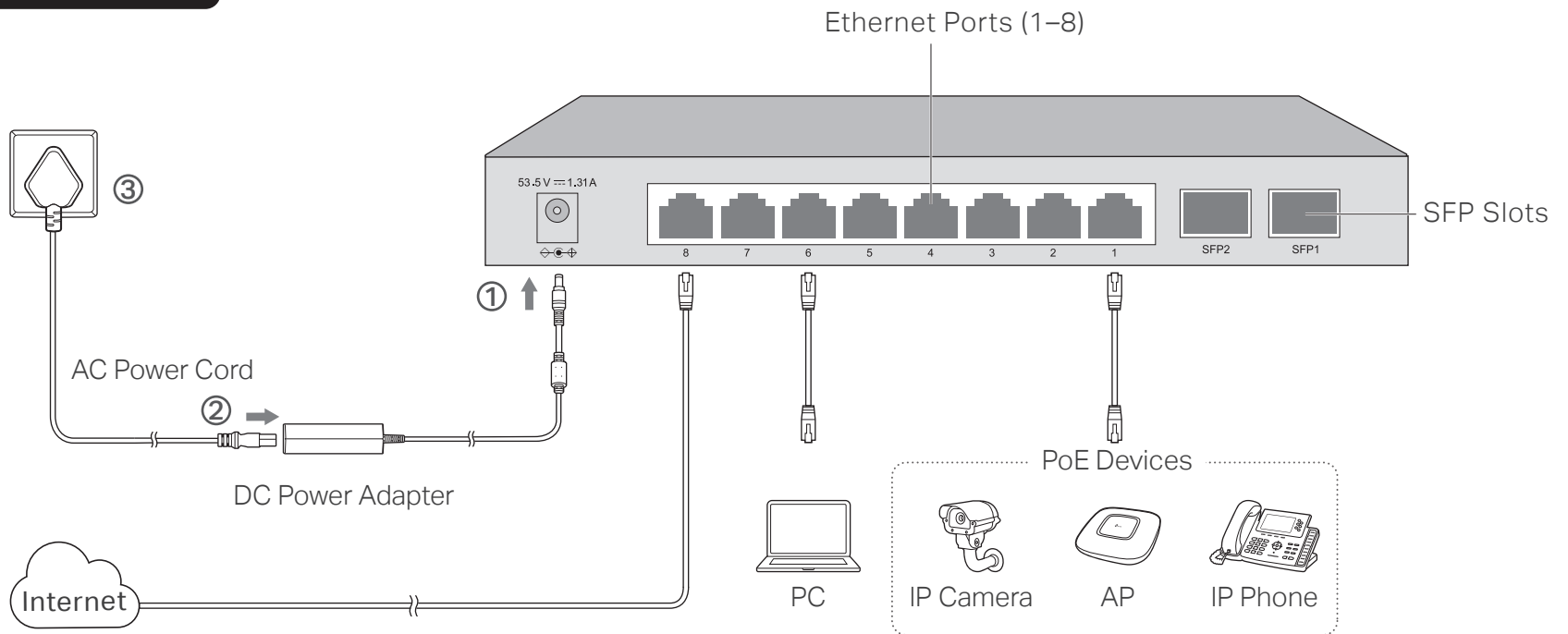
System 

Flashing: System running normally
 On/Off: System running abnormally

PoE Status (port 1–8) 

On: Providing PoE power
 Flashing: Current-overload/Short-circuit/Connected to a Non-standard PD/Power exceeded the user-defined value
 Off: Not providing PoE Power

Connection



Note:

- PoE ports can also connect to non-PoE devices, but only transmit data.
- Maximum PoE power is 30 W for each PoE port and 58 W for all PoE ports.

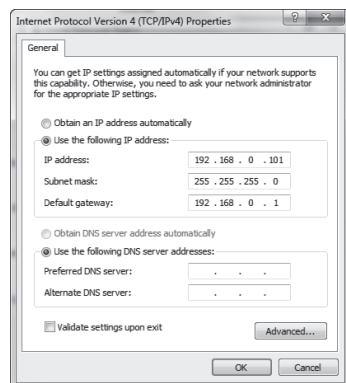
Configuration

- To access the GUI of the switch, open a browser and type the default management address <http://192.168.0.1> in the address field of the browser, then press the Enter key.

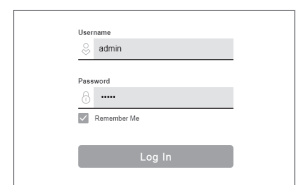


Note:

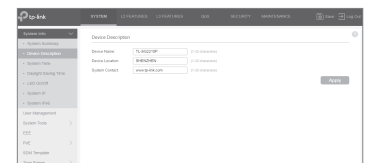
To log in to the switch, the IP address of your PC should be set in the same subnet as that of the switch. The IP address is 192.168.0.x ("x" is any number from 2 to 254). Subnet Mask is 255.255.255.0. For details, please refer to Appendix B in the User Guide on the resource CD.



- Enter **admin** for both the username and password in the lower case letters. Then click the Log In button or press the Enter key. (The first time you log in, change the password to better protect your network and devices.)



- After a successful login, the main page will appear. You can click the menus on the top side and left side to configure the corresponding functions.



Note:

For more details about how to configure the switch, see the Configuration Guide on the resource CD.


Specifications


General Specifications


Standard	IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3af, IEEE802.3at, IEEE802.3az, IEEE802.3x, IEEE802.3z, IEEE802.1X, IEEE802.1ab, IEEE802.1ah, IEEE802.1d, IEEE802.1p, IEEE802.1q, IEEE802.1s, IEEE802.1w
Data Transfer Rate	Ethernet: 10 Mbps (Half Duplex) 20 Mbps (Full Duplex) Fast Ethernet: 100 Mbps (Half Duplex) 200 Mbps (Full Duplex) Gigabit Ethernet: 2000 Mbps (Full Duplex)
Network Media (Cable)	10Base-T: UTP Cat. 3, 4, 5 cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 100Base-TX: UTP of Cat. 5 or above (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 1000Base-T: UTP of Cat. 5e or above (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 100Base-FX/LX10/BX10: MMF or SMF SFP Module 1000Base-SX/LX/LX10/BX10: MMF or SMF SFP Module
Number of Ports	8 10/100/1000 Mbps Auto-Negotiation RJ45 ports and 2 SFP slots
PoE Ports (RJ45)	PoE Ports: Port 1–8 Total Power Supply: 58 W
LED Indicators	Power, System, Link/Act, PoE MAX, PoE Status, SFP1, SFP2
Transfer Method	Store and Forward
MAC Address Learning	Automatically learning, automatically aging
Frame Forward Rate	10Base-T: 14881 pps/Port 100Base-Tx: 148810 pps/Port 1000Base-T: 1488095 pps/Port

Environmental and Physical Specifications

Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Operating Humidity	10% to 90% non-condensing
Storage Humidity	5% to 90% non-condensing

 To ask questions, find answers, and communicate with TP-Link users or engineers, please visit <https://community.tp-link.com> to join TP-Link Community.

 For technical support, the user guide and other information, please visit <https://www.tp-link.com/support>, or simply scan the QR code.

 If you have any suggestions or needs on the product guides, welcome to email techwriter@tp-link.com.cn.

Disclaimer

PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU and (EU)2015/863.

The original EU declaration of conformity may be found at <https://www.tp-link.com/en/ce>.

Frequently Asked Questions (FAQ)

Q1. The Power LED is not lit.

The Power LED should be lit when the power system is working normally. If the Power LED is not lit, please check as follows:

- A1: Make sure the AC power cord is connected to the switch with power source properly.
- A2: Make sure the voltage of the power supply meets the requirements of the input voltage of the switch.
- A3: Make sure the power source is ON.
- A4: On the LED On/Off configuration page, check whether the LED status is on. By default, the LED status is on.

Q2. Why is the Link/Act LED not lit while a device is connected to the corresponding port?

Please try the following:

- A1: Make sure that the cable connectors are firmly plugged into the switch and the device.
- A2: Make sure the connected device is turned on and works normally.
- A3: Try to change the connected device's transmission speed and duplex mode.
- A4: The cable must be less than 100 meters long (328 feet).

Q3. Why are some ports not supplying power for PoE devices?

Please try the following:

- A1: Make sure that this PoE device complies with IEEE 802.3af/IEEE 802.3at.
- A2: Try another PoE port on the switch.
- A3: Pay attention to PoE priority. If the total power consumption of PoE powered devices exceeds 58 W, a priority will be set among the ports. Ports with a smaller port number will have higher priority. For example, Port 1, 2 and 5 are each consuming 15.4 W. If an additional powered device consuming 15 W is connected to Port 3, then the switch will cut off power to Port 5 because of the overload.

Safety Information

- Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device.
- Do not use any other chargers than those recommended.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Place the device with its bottom surface downward.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.



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