



# BrosTrend S1 8 Port 2.5G Multi Gigabit Ethernet Switch Installation Guide

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# BrosTrend®

## BrosTrend S1 8 Port 2.5G Multi Gigabit Ethernet Switch



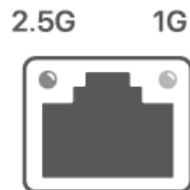
## Power indicator



- Solid on: Powered on
- Off: Powered off

## Port LED indicator

### 2.5G LED indicator (left):

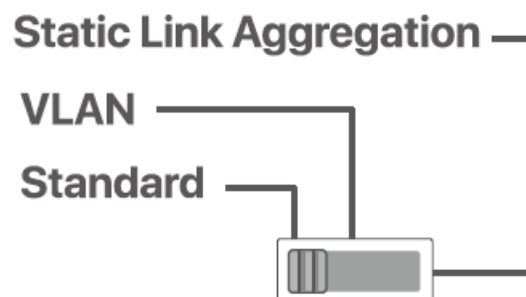


- Solid green: Connecting to a device but no activity
- Blinking green: Transmitting or receiving data at 2.5Gbps speed
- Off: Not connected

### 1G LED indicator (right):

- Solid orange: Connecting to a device but no activity
- Blinking orange: Transmitting or receiving data at 1Gbps speed
- Off: Not connected

## Working mode button



Toggle between 3 different working modes

## Specifications

Model	<b>S1</b>
Three Working Modes	1. Standard mode 2. VLAN mode 3. Static link aggregation mode
<b>Standards</b>	IEEE 802.3/u/x/ab/bz/cb
Protocol	CSMA/CD
<b>MAC Address Learning</b>	Automatically learning, automatically aging
LED Indicators	8• 2.5G LED indicators 8• 1G LED indicators 1 * Power LED indicator
Interface	8' 100 Mbps/1 Gbps/2.5 Gbps Auto-Negotiation RJ45 Ports
<b>Recommended Ethernet Cable</b>	2.5GBase-T: UTP category 5e cable or above (max. 100 m) 1000Base-T: UTP category 5e cable or above (max. 100 m) 100 Base-TX: UTP category 5 cable or above (max.100 m)
<b>Lightning Protection</b>	.:6kV
Electrostatic Protection	Air discharge: ±8 kV Contact discharge: ±6 kV
<b>Forwarding Mode</b>	Store and forward
<b>Switching Capacity</b>	40Gbps
<b>MAC Address Table</b>	16K
<b>Input Voltage</b>	AC: 100-240V 50Hz/60Hz
<b>Output Power Supply</b>	12V DC,2A
Power Consumption	Max: <24W
Mounting	Desktop or wall mounting
<b>Dimensions (L x W x H)</b>	220*135.6*31.5 mm (8.7*5.3'1.2 in)
Enviornment	Operating temperature: 0°C – 45°C Storage temperature: -40°C – 70°C Operating humidity: (10%- 90%)RH, non-condensing Storage hu midity: (5% – 90%)RH, non-condensing

## FAQ

**Q1. What should I do if the Power LED is not lighted up?**

- Make sure the power adapter is connected to the switch with power source properly.
- Make sure the voltage of the power supply meets the requirements of the input voltage of the switch.
- Make sure the power source is ON.

**Q2. What should I do if the Port LED is not lighted up when a device is connected to the Ethernet port?**

- Make sure that the cable connectors are firmly plugged into the switch and the device.
- Make sure the connected device is turned on and works normally.
- The cable must be less than 100 meters (328 feet) long.

**Q3. My connected devices cannot have access to the Internet, what should I do?**

- Please make sure that the uplinked network of this switch has successful access to the Internet.
- Please toggle to use Standard mode.
- In case you need to use VLAN mode of this switch, please make sure that either port 7 or port 8 is connected to the uplink Internet, instead of port 1 – 6.

**Q4. My connected devices cannot communicate with each other, what shall I do?**

Under VLAN mode, port 1 – 6 cannot communicate with each other. Please toggle to select Standard mode.

## **Related Product Introduction**

In order to have optimal 2.5Gbps connection on your desktop PC, we recommend using the below Bros Trend 2.5G Gigabit PCIe network adapter. Visit this link or scan the QR code below to purchase one:

<https://www.broxtrend.com/products/2-5gb-pcie-network-adapter>

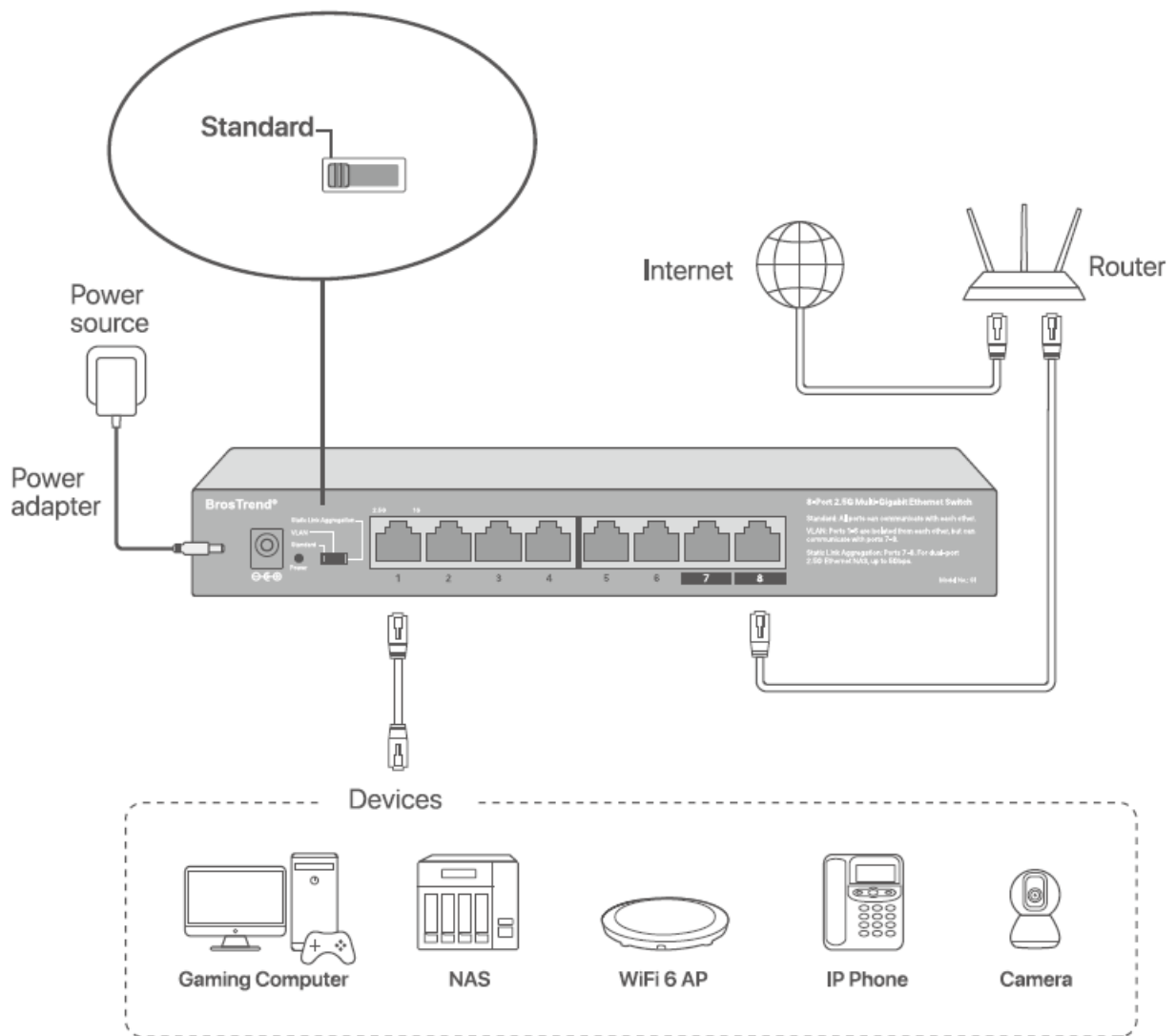
## **Three Mode Toggle Setup**

Please select one of the working modes which is suitable for your network deployment. It is set up in Standard mode by default.

### **Standard Mode**

**Standard:**

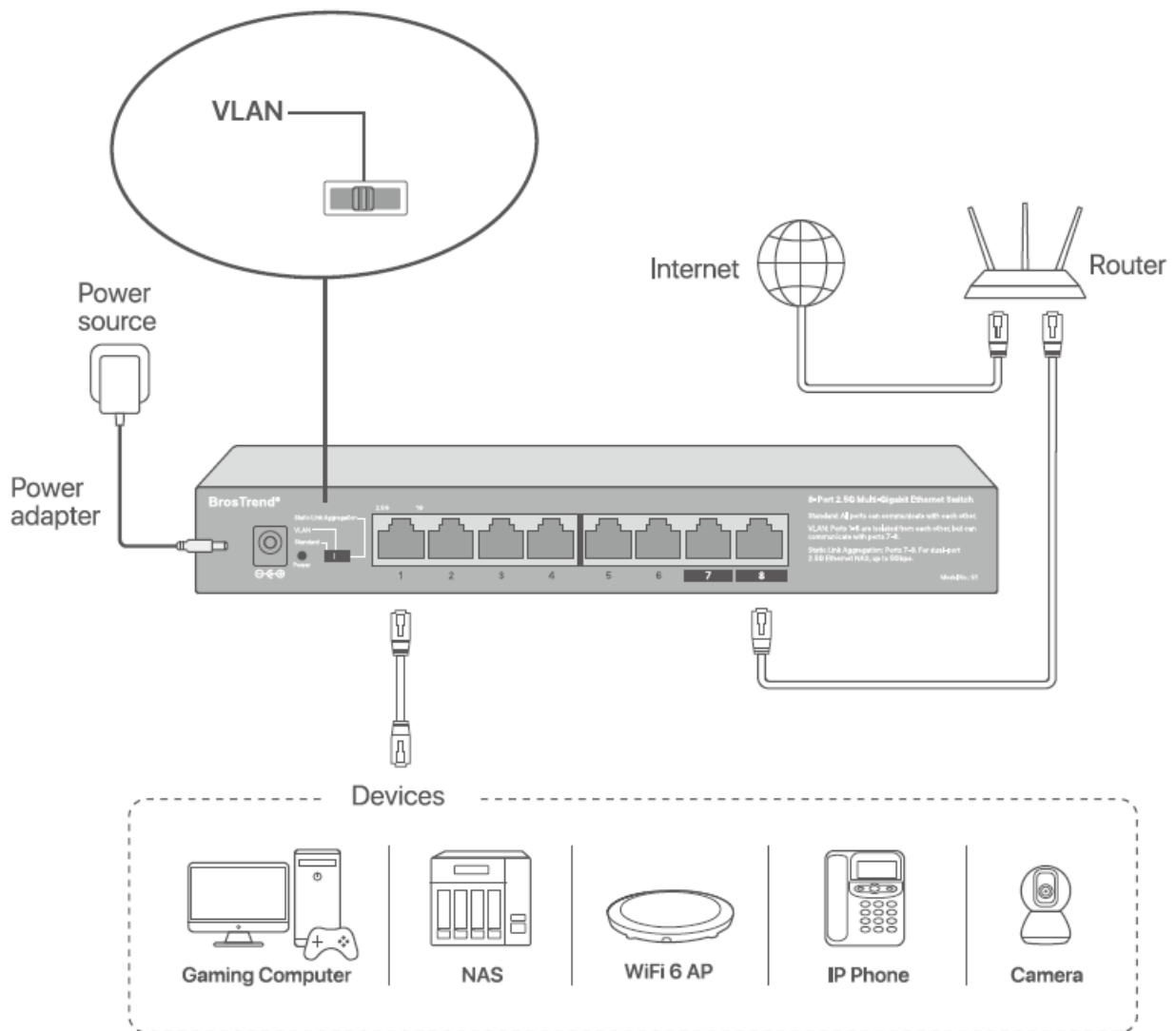
Ports 1 – 8 can communicate with each other at speed of up to 2.5Gbps.



## VLANMode

### VLAN:

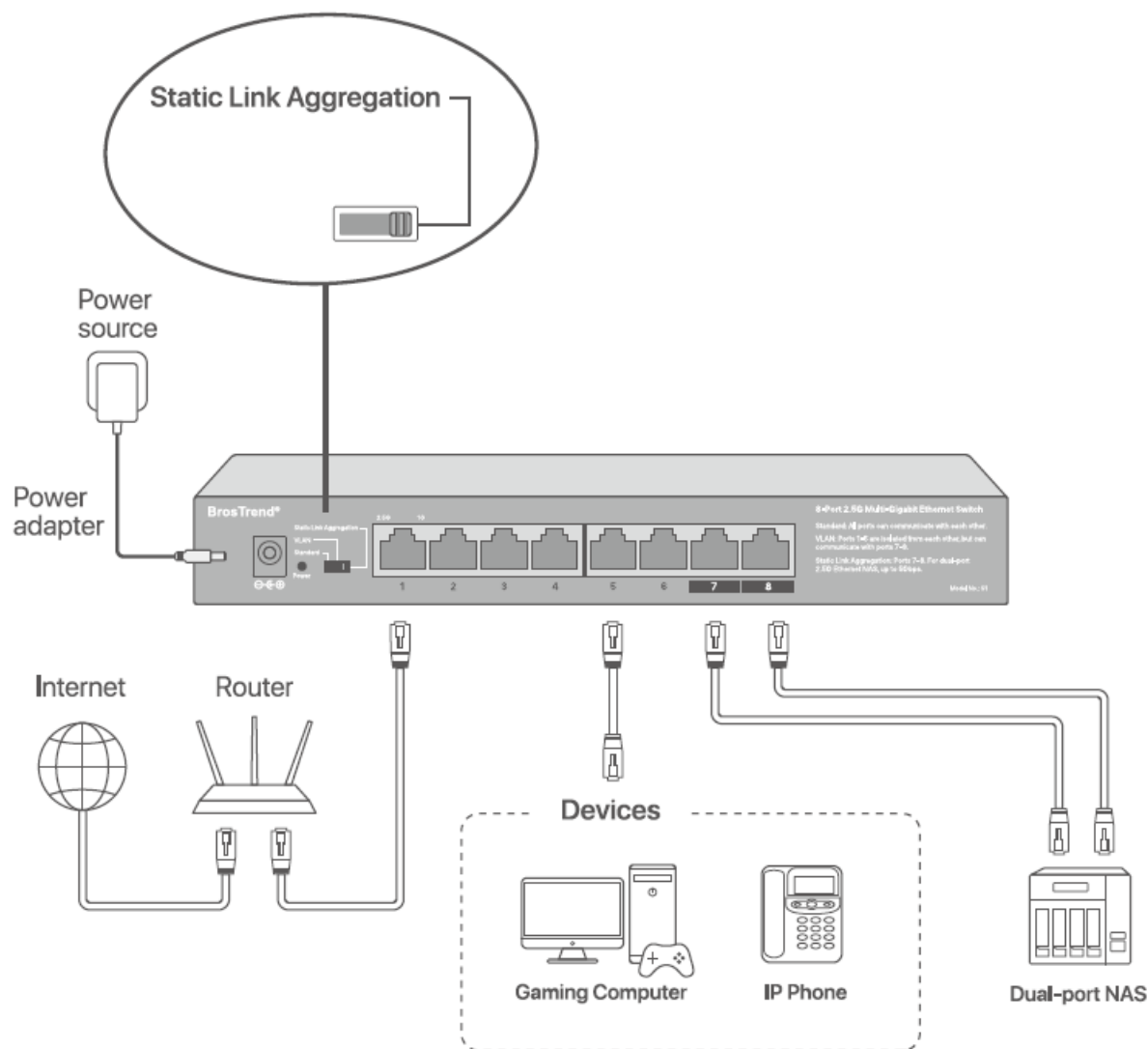
Ports 1 – 6 are isolated from each other, but can communicate with ports 7 – 8. Protect your network security and prevent network broadcasting storm.



## Static Link Aggregation Mode

### Static Link Aggregation:

Ports 7 and 8 are in the same group. They are used to connect with dual-Ethernet-port devices such as your NAS or server, with combined Ethernet bonding speed of up to 5Gbps with automatic failover and failback, redundant connection.



## Appendix: Safety and Statement

### Safety Precautions

Before performing an operation, read the operation instructions and precautions to be taken, and follow them to prevent accidents. The warning and danger items in other documents do not cover all the safety precautions that must be followed. They are only supplementary information. The installation and maintenance personnel need to understand the basic safety precautions to be taken.

1. Do not use this apparatus near water.
2. Clean only with dry cloth.
3. Do not block any ventilation openings, such as newspapers, table-cloth, curtains, etc.
4. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat.
5. Do not damage the ground conductor or operate the device in the absence of well installed ground conductor. Conduct the appropriate electrical inspection. Refer to the Tenda Lightning Protection Guide at the official website for instructions.
6. Protect the power cord from being walk on or pinched particularly at the plugs, convenience receptacles and at the point where they exit from the apparatus.
7. Only use attachments/accessories specified by the manufacturer.
8. Unplug this apparatus during lightning storms or when unused for long periods of time.

9. Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. **Warning:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing.
12. **Warning:** To reduce the risk of electric shock, do not remove cover as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

## FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a domestic environment. The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment is at the user's own expense. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, undesired operation.

### Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized use of a shielded RJ45 cable.

### CE Mark Warning

This is a Class A product. In a domestic environment, it may cause radio interference. In any case, the user may be required to take adequate measures.

The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

**Note:** If, the manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Specifications are subject to change without prior notice.

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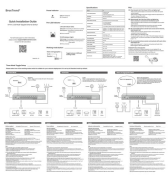
Contact: Wells  
Telephone No.: 00441616371080  
E-Mail: [info@apex-ce.com](mailto:info@apex-ce.com)

Caution:  
Input: 100-240V AC, 50/60Hz 0.7A  
Output: 12V, 2A  
— —: DC Voltage

For technical support or other information, please contact [support@brostrend.com](mailto:support@brostrend.com) or scan the QR code below.

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## Documents / Resources

	<p><a href="#">BrosTrend S1 8 Port 2.5G Multi Gigabit Ethernet Switch</a> [pdf] Installation Guide S1 8 Port 2.5G Multi Gigabit Ethernet Switch, S1 8, Port 2.5G Multi Gigabit Ethernet Switch, Mu lti Gigabit Ethernet Switch, Gigabit Ethernet Switch, Ethernet Switch, Switch</p>
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## References

- [User Manual](#)