


8 Indicator Definition


| Indicator | Definition                         | State                             | Description                                     |
|-----------|------------------------------------|-----------------------------------|---|
| S         | Link Extension LED                 | Light on<br>Light off             | Extension Enable<br>Extension Disable           |
| V         | Port Isolation LED                 | Light on<br>Light off             | Port Isolation Enable<br>Port Isolation Disable |
| P         | Power Indicator                    | Light on<br>Light off             | Powered<br>Abnormal                             |
| PoE Link  | PoE Indicator<br>Data Transmission | Yellow Light on<br>Green Light on | PoE Powered<br>LAN Linked                       |
| Uplink    | Link Rate                          | Yellow Light on<br>Green Light on | 10/100M<br>Gigabit                              |

9 PoE Powered Function

※This function is applicable to PoE switches,not applicable to non-PoE switches.

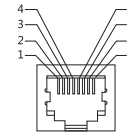
▲Standard PoE Power Supply





12/36 is the power supply and data pin

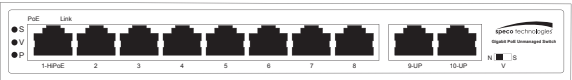
1. Standard PoE power supply includes: protocol detection, power pin sequence Detection, power output, abnormal protection, link abnormal monitoring  
2. The PoE power supply protocol includes: IEEE802.3af(15.4W), IEEE802.3at(30W)  
3. The standard PoE power pin sequence is 12+/36-, and the passive PoE power pin sequence is 45+/78-  
4. The standard POE switches can automatically detect and supply power to the PDs that meet the standard, non-POE devices are not powered and only transmit data  
5. PoE Watchdog  
When the switch port communication fails, the corresponding port POE will automatically detect and restart, restore network communication by itself, and reduce manual intervention and maintenance.




10 States of Switch

| Function | Definition     | Description   |
|----------|----------------|---|
| N        | Normal Mode    | Normal mode, all ports can communicate with each other, the transmission distance is within 100 meters, the transmission rate is 10M / 100 / 1000M adaptive |
| V        | Port Isolation | PoE ports (1-8) of the switch cannot communicate with each other, and can only communicate with uplink ports  |
| S        | Link Extension | 1-8 ports PoE power supply and data transmission distance can be extended to 250 meters, the transmission rate becomes 10M                                  |

\* Please contact Speco Technologies technical support @ 1-800-645-5516 if you have any questions.





User Manual

P8S10G 10-Port Gigabit Switch  
8GE PoE with Uplink 2GE RJ45

1 Description

- The products described in this manual, including but not limited to the illustrated products, please refer to the actual product purchased. If any changes on product appearance, please refer to the official product information.
- PoE switch and ethernet switch installation methods are the same, the actual use environment and method that depends on the specific product requirement.

2 Packing List

- Switch (Specific model See the product label for more details).
- Power Cable (The default is pluggable or a power cable with built-in power module).
- Brackets, Screw (Rack type standard).
- User manual, Certification.

3 Installation Precautions

- Do not install the equipment in the environment of seepage, drip or condensation easily, otherwise the equipment might burn out.
- Please ensure the environment where the equipment is installed is well ventilated, and forbidden to block the cooling holes.
- Do not install the equipment in a high density dust environment.
- If rack switches are in a natural heat dissipation environment, please ensure the separation distance exceeds 1U.
- Do not aerial cabling outdoor, otherwise the equipment is prone to lightning strike.
- Using temperature and humidity depend on the descriptions of the specific product.

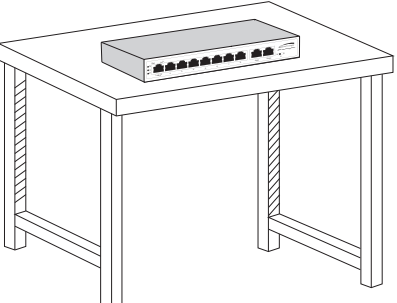
4 Safety Precautions

- Do not look directly at the optical port to prevent the laser beam from burning your eyes.
- Do not install the power cord with power on to avoid personal injury.
- Do not supply power before equipment installation and wiring.
- ESD protection is necessary during the installation and maintenance of equipment.
- Do not place objects on the device.

5 Switch Installation

Switches support a variety of installation methods, desktop, wall mounted, rack mount, please install according to the actual environmental requirements.

▲Desktop Installation



6 Connecting Equipment

▲Network Cable

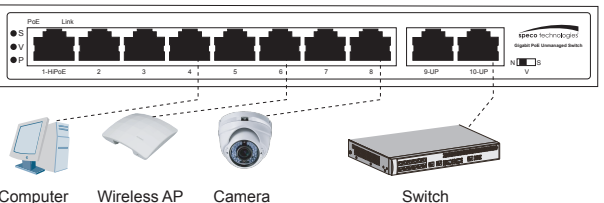
10Base-T: Cat3, 4, 5 or above UTP(≤250m).  
100Base-TX: Cat5 or above UTP(≤150m) .  
1000Base-TX: Cat5 or above UTP(≤100m).

▲Grounding

Ensure that the grounding screw of the equipment is effectively grounded to protect the safety of the equipment.

▲Power Cable

1. Distance between power cable and network cable should be more than 10cm.  
2. The AC power please use the local AC power cable.



Computer    Wireless AP    Camera    Switch

7 Technical Spec.

| I/O Interface      |  |
|--------------------|--|
| Power              | Input AC 100-240V, 50/60Hz   |
| Fixed Port         | 8x10/100/1000M PoE Ports (Port 1 Supports BT90W)<br>2x10/100/1000M Ethernet Uplink Ports                       |
| Performance        |  |
| Switching Capacity | 20Gbps   |
| Throughput         | 14.88Mpps  |
| Packet Buffer      | 2.5Mb  |
| MAC Address        | 2K   |
| Jumbo Frame        | 9216bytes  |
| Transfer Mode      | Store and Forward  |
| MTBF               | 100,000 hours  |
| Mechanical         |  |
| Structure Size     | Product Dimension (LxWxH): 210x150x35mm<br>Package Dimension (LxWxH): 265x220x68mm<br>N.W: 0.8kg<br>G.W: 1.2kg |
| Packing Info       | Carton MEAS: 550x455x365mm<br>Packing Qty: 20 pieces<br>Packing Weight: 25.5kg                                 |