

Review of PoE 8 Port TP-Link Switch TL-SG1008P: Indispensable for home security

The metal body of the PoE TL-SG1008P switch is high quality and gives it a solid appearance. Just plug in the power adapter and devices with an Ethernet cable, and turn on the power and you're ready to use.

One of the most common applications for Power over Ethernet (PoE) is to connect and power IP devices such as IP phones and IP cameras through a single network cable. The main advantages are:

1. You can avoid having to run both the power cable and Ethernet cable over long distances, instead using the Ethernet cable itself to carry power.
2. The switch's unique power supply supplies power to all PoE devices

PoE switch for home security

If you have more than one device to power PoE, it is better to consider using a PoE switch, instead of putting power and data in using a PoE injector. You can connect the switch to your current router and then plug your device into the switch.

Key features of TL-SG1008P



PoE 8 Port TP-Link Switch TL-SG1008P

Network features

Network features of the PoE 8 Port TP-Link Switch TL-SG1008P are:

1. 8 10/100 / 1000Mbps RJ45 ports, 4 of which are PoE
2. Internal switching capacity of 16Gbps
3. Supports IEEE 802.3x flow control for Full-duplex mode and backpressure for Half-duplex mode
4. 8K MAC address table of TL-SG1008P with Auto-learning and Auto-aging features
5. LED lights to track power, link, activity and speed
6. Provide external power adapter

PoE feature

The main feature that you should look for in a PoE switch is 802.3af compatibility. This is a standard that allows 802.3af-compatible devices to automatically adjust the voltage they need from the switch. This is why you can plug in any compatible device without having to worry about the specific voltage requirements of each option.

1. Support device compliant with PoE IEEE 802.3af standard
2. Supports PoE power up to 15.4W for each PoE port
3. Supports PoE power up to 53W for all PoE ports
4. The priority function ensures that priority devices continue to be powered even in case of overload

Gigabit switches are more advantageous than 10/100 Mbps switches because you don't want the switch to become 'bottlenecks', the point at which data flows are weakened, congested) when powering up 4 PoE IP cameras in addition to other devices on the switch.

What's included in the kit?



The kit includes

The PoE TL-SG1008P Switch is housed in a compact box and has the following:

1. Gigabit PoE Switch
2. 48V 1.25A power adapter and power cable
3. User manual

Appearance and feel

The metal body of the PoE TL-SG1008P switch is high quality and gives it a solid appearance. Although you may hide the switch in the attic or cupboards, it will not affect the aesthetics if it is exposed to the outside.

Setting

You do not need to configure the switch, you just need to plug in the power adapter and devices with an Ethernet cable and turn on the power and you're ready to use. There is nothing easier than that. Most home users need a plug-and-play switch, without advanced features or configuration options. This switch really brings great simplicity.

Efficiency



TL-SG1008P has very good performance

A modern Gigabit Ethernet switch should have no problems with performance and TL-SG1008P will not disappoint you either. The author has observed that Gigabit Ethernet ports are maximized while copying files to and from Asus 551CA laptops and NAS (network storage devices) QNAP TS-231 +.

Check the IP camera

TL-SG1008P has been tested with both Hikvision DS-2CD2032-I and DS-2CD2132F-IS (both PoE devices). These cameras have a capacity of 5W, each camera has a maximum power consumption of 7W when turning on the infrared LED. The author has plugged in both cameras and tested for over 6 months, works 24/7 and is pleased to see that the TL-SG1008P switch does more than provide power to the camera.

Conclude

Advantages

1. The PoE switch is solidly built, well made with metal body
2. Just plug in and you can use it right away
3. Power over Ethernet (PoE) works without user configuration
4. Fanless design means that the output is quiet
5. Value for money

Defect

1. Not available

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