

## LGS116P Frequently Asked Questions

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### 1. What is the Linksys LGS116P Switch?

The **Linksys LGS116P** is a 16-Port Gigabit PoE Switch. This unmanaged switch offers a quick and easy solution to extend your office network with a plug-and-play installation. It is also useful in transferring data across a local network at up to Gigabit speeds.

### 2. What is PoE?

**Power over Ethernet (PoE)** is a technology that enables an Ethernet network cable to deliver both data and power.

### 3. What kind of devices can be connected to the switch?

You can connect the following devices to your LGS116P switch:

- Computers
- Routers
- Switches
- Network Printers
- Other network devices

#### **4. What should I do when my computer cannot connect to the Internet while connected to the switch?**

Follow the steps provided below to resolve this issue:

- Verify if LEDs are properly lit on the switch.

**System LED** - Blue

**Link/Act/GB** – Green-Amber

**PoE Max** - Amber

**PoE** - Green

- Power down everything and power ON the switch first. Next, power ON the computer.

**NOTE:** Only routers or modems with **DHCP capabilities** can allow sharing of Internet connection between computers.

#### **5. What is the advantage of having a switch when it comes to data transfer?**

The switch acts as a repeater which regenerates data signals as they pass through it. This feature acts as a safeguard to deter data loss and ensure that transmissions arrive securely at their destinations. Moreover, a switch is capable of intelligent filtering of data based on source and destination as compared to the repeater which can only regenerate the signal without checking its recipients.

#### **6. What is the maximum PoE power budget for each PoE switch?**

The Linksys LGS116P has **80 Watts** dedicated PoE power budget for the entire switch.

#### **7. What are the protocols supported by the LGS116P?**

The Linksys LGS116P switch is compliant with IEEE 802.3, 802.3u, 802.3x, 802.3ab, and 802.3az standards.

#### **8. Can I wall-mount my switch?**

Yes, the Linksys LGS116P can be wall-mounted.

#### **9. What should I do if my switch experiences excessive data collisions?**

Verify if your network cabling is securely crimped and installed properly.

### **10. Can I use a switch to share Internet connection to all computers in the network?**

No. The switch is not capable of sharing Internet connection across the network. However, what it does is it allows more computers to be connected to a local network.

**NOTE:** Only routers or modems with **DHCP capabilities** can allow sharing of Internet connection between computers.

### **11. Which ports on my PoE switch can I plug in a PoE device?**

You can plug the PoE device to the switch's **first eight (8) ports (1-8)**.

### **12. How is port PoE prioritization done?**

The switch has a feature called **PoE prioritization** where power is provided based on port priority for PoE devices connected to the PoE ports. This follows the criteria below:

- a. Port ID1 has higher priority.
- b. The higher the Port ID, the lower the priority.
- c. Rebooting the switch reprioritizes PoE per port.

**NOTE:** This is only applicable for those ports that have a PoE device connected to it.

An example is if all seven (7) PoE devices have maxed out the power budget on the switch. When an eighth PoE device connects, since it exceeds the power budget, the connection is declined and Port 8 will not provide power to a PoE device. However unplugging Port 1 will then provide power to Port 8 for the PoE device connected to it.

**QUICK TIP:** If the device is a non-PoE device this behavior does not apply.

If the PoE device is reconnected back to Port 1, Port 1 remains OFF. In order to restore power to Port 1 for the PoE device either unplug PoE device from Port 8 or reboot the switch. Rebooting the switch prioritizes PoE for each port all over again.

### **13. What is the warranty period for the Linksys LGS116P?**

Linksys LGS116P has a limited lifetime warranty.

#### **14. What are the supported PoE standards?**

The switch only supports IEEE 802.3af and IEEE 802.3at. Any PoE devices not supporting these standards will not be powered ON by the switch.

#### **15. My PoE device is not powering ON, what should I do?**

If your PoE device is not powering ON, do the following:

- Verify with the vendor if it supports IEEE 802.3af and IEEE 802.3at. The switch only supports these PoE standards.
- Make sure your PoE device is connected to a PoE port.
- If you have several PoE devices already connected to the switch, you may have exceeded the power budget of the switch.

