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5-Port Gigabit Power over Ethernet Switch - PoE-Powered

IES51GPOEPD

*actual product may vary from photos

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For the latest information, technical specifications, and support for this product, please visit www.startech.com/IES51GPOEPD.

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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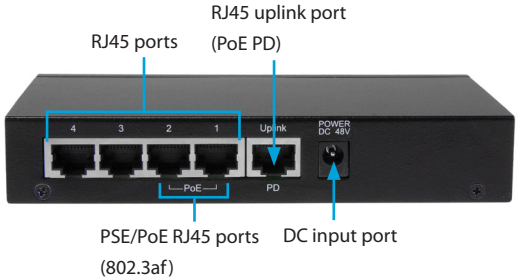
Product diagram

Front view

Rear view



Introduction

Packaging contents

- 1 x Gigabit Power over Ethernet switch
- 1 x universal power adapter
- 4 x power cords (NA/EU/UK/AU)
- 4 x rubber feet

System requirements

- 10/100/1000 Mbps compatible Ethernet network device(s)
- RJ45 terminated UTP Cat5e or better Ethernet cable
- AC electrical outlet (optional when using the switch with PoE power input)

System requirements are subject to change. For the latest requirements, please visit www.startech.com/IES51GPOEPD.

About the LED indicators

LED	Status	Indication
PWR (green)	Solid	The switch is powered by the external universal power adapter.
PD (green)	Solid	The switch is PoE-powered through the PoE PD port (from a connected PSE device, such as a PoE injector, that is compatible with IEEE 802.3af/at devices).
Uplink (green)	Solid	Indicates the switch's connection status. A valid data connection (link) has been established through the Uplink port.
	Flashing	The Uplink port is actively sending or receiving data (activity).
PoE (green)	Solid	Indicates the switch's PoE connection status on ports 1 and 2. A valid PoE PD is connected to the PoE port(s).
	Flashing	A valid PoE PD is not connected to the PoE port(s).
LNK/ACT (green)	Solid	An Ethernet network device is connected. A valid port connection (link) has been established.
	Flashing	A valid port connection has been established and the port is sending and receiving data (activity).
	Off	An Ethernet network device is not connected and a valid connection has not been established.

Powering the switch

The switch can be powered using two methods:

- **PoE powered:** Using PoE power through the **PD** (Powered Device) **Uplink** port. Connect an 802.3af/at PSE (Power Sourcing Equipment) device, such as a PoE injector.
- **Externally powered:** Using the **universal power adapter** (provided). Connect it to the switch's **DC input** port.

When both power sources are connected, the switch defaults to use the **universal power adapter** (which provides greater PSE output).

Note: If both power sources are being used simultaneously and the power adapter is disconnected or if there is a power outage, the switch will automatically switch to PD-power mode and briefly lose power while resetting. When switching from PoE to external power, the switch will not experience a power disruption or downtime.

Install the switch

1. Attach the provided rubber feet to the bottom of the switch. There are four grooves in the switch's housing that indicate the recommended position for placement.
2. Connect one or two power sources to the switch (PoE power or external power adapter):
   - **PoE power:** Connect a Cat5e Ethernet cable to the **Uplink** port and then to your PSE device. For example, a PoE injector or another PoE switch. The **PD** (Powered Device) LED should light up solid.
   - **Universal power adapter:** Select the appropriate power cord for your region and connect the power adapter to an AC electrical outlet. Connect the power adapter to the switch's **DC input** port. The **PWR** (power) LED should light up solid.

Note: When both power sources are connected, the switch defaults to use the universal power adapter. See the "Powering the switch" section for more information.

3. Connect your PoE-powered devices to the switch's **PoE RJ45** ports (ports 1 and 2). The green **PoE** LEDs (1 and 2) should light up for each connected PoE device.

Note: The provided PoE power output is dependent upon which power source was used to power the switch. See the "PoE output: section for the types of supported PoE devices and power output capabilities.

4. Connect your remaining Ethernet network devices to the switch's remaining RJ45 ports using Cat5e or better Ethernet cable. The green **LNK/ACT** LEDs (1 through 4) should light up for each connected device.

PoE output

If you power the switch through the **DC input** port using the optional AC power adapter, **PoE** ports 1 and 2 will support PoE output (802.3af) with up to 15W to each port.

If you power the switch through the **Uplink PD** port using PoE power, then **PoE** ports 1 and 2 will support the following classes of PoE devices and wattage output:

- One class 0, or 3 PoE PD (15.4W)
- Two class 1 PoE PDs (2x 4W)
- Two class 2 PoE PDs (2x 7W)
- Once class 1 PoE PD and one class 2 PoE PD (!x 4W + 1x 7W)

Technical support

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Warranty information

This product is backed by a two-year warranty.

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