5-Port Gigabit Ethernet Switch - PoE-Powered with 2x PSE/PoE Ports

StarTech ID: IES51GPOEPD

This PoE-powered switch expands your Gigabit network connectivity to remote locations where a power source is not available. For more versatility, you can power and network your Gigabit PoE-powered devices (PD) using two 802.3af PSE (Power Sourcing Equipment) ports. Its durable metal housing and redundant power input make this 5-port switch ideal for harsh environments.

PoE-powered device (PD) provides installation flexibility

The Gigabit network switch is powered through your existing PoE network infrastructure, so you can deploy it without an external power adapter. This gives you the flexibility to install the switch exactly where you need it, without additional hassle or costs.

Plus, the switch supports the most common types of PoE power input, including 802.3af/at networks, so you can rest assured that it will be compatible with your PoE equipment.

Integrated PSE ports can save you money

This Power over Ethernet switch features two 802.3af ports, so you can deliver both power and data to your PoE PDs without the expense of additional PoE injectors or switches. The switch provides 15W of total power output across both ports, so you can power and connect PoE devices such as IP phones and cameras in situations where a typical AC-powered network device can't be used.

For applications where a power source is available, you can connect the optional power adapter and deliver up to 15W to each PSE port.

Redundant power input gives you peace of mind

The 5-port Gigabit Ethernet switch offers redundant power input using the included power adapter. With both PoE and AC power input, the versatile switch can remain operational during power dips, failures, or outages,

making it perfect for factories, warehouses, and other industrial environments.

The IES51GPOEPD is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Provide greater network scalability, even if the switch isn't near a power source
- Connect and power PoE PDs such as IP phones, surveillance cameras, Wi-Fi® access points (WAP), and kiosks where a power connection is not available
- Install in offices, schools, campuses, factories, and other large complexes

Features

- Deploy almost anywhere — PoE-powered device (PD) that supports both 802.3af and 802.3at power input
- Network and power your Gigabit PDs, with two 802.3af PSE ports offering total power output up to 15W
- Power the switch during power dips or failures, with redundant power input using the optional power adapter (included)
- Rugged metal enclosure provides durability in harsh environments
- Compatible with 10/100/1000 Mbps networks, and compliant with IEEE 802.3, 802.3u, 802.3ab standards
- Up to 9K Jumbo Frame support
- Auto MDIX and Auto Negotiation support
- Compliant with IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.3x full duplex flow control, and back-pressure for half-duplex operation
- 128KB frame buffer memory and supports up to 4,000 MAC address entries

Technical Specifications

Warranty	2 Years
Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
Industry Standards	IEEE 802.3af PoE, IEEE 802.3at PoE+
Industry Standards	IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.3x Flow Control
Interface	RJ45 (Gigabit Ethernet)
Ports	5
Auto MDIX	Yes
Auto-Negotiation	Yes
Buffer Size	128 KB
Compatible Networks	10/100/1000 Mbps
Flow Control	IEEE 802.3x full-duplex, Half-duplex back-pressure
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
MAC Address	4,000 entries
Maximum Data Transfer Rate	2000 Mbps (2 Gbps) - Full-Duplex
MTBF	5 Years
Surge Protection	EN61000-4-2 (ESD) - 2kV EN61000-4-5 (Surge) - 2kV
Switching Architecture	Store-and-Forward
Connector Type(s)	5 - RJ-45 Female
OS Compatibility	OS Independent; No additional drivers or software required
Note	If the IES51GPOEPD is used with the optional AC power adapter, it can support two ports PoE (802.3af) with 15W per port
Note	If you use PoE to power the IES51GPOEPD, it supports the following: One class 0, 3 PoE PD (15.4W) Two class 1 PoE PDs (2x 4W) Two class 2 PoE PDs (2x 7W) One class 1 PoE PD and one class 2 PoE PD (1x 4W + 1x 7W)
Color	Black
Enclosure Type	Steel
Product Height	1 in [26 mm]

Product Length	5.9 in [149 mm]
Product Weight	58.2 oz [1650 g]
Product Width	3.3 in [84 mm]
LED Indicators	1 - Power
LED Indicators	1 - PD (Powered Device)
LED Indicators	1 - Uplink
LED Indicators	4 - Link/Activity
LED Indicators	2 - PoE
Center Tip Polarity	Positive
Input Current	1.4 A
Input Voltage	100 ~ 240 AC
Output Current	1.25 A
Output Voltage	48 DC
Plug Type	M
Power Consumption	60 W Max
Power Source	AC Adapter Included
Humidity	10~90% RH (Non-Condensing)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Shipping (Package) Weight	63.5 oz [1800 g]
Included in Package	1 - 5-Port Gigabit Power Over Ethernet Switch
Included in Package	1 - Universal Power Adapter
Included in Package	4 - Power Cords (NA/EU/UK/AU)
Included in Package	4 - Rubber Feet

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