

# 8-Port (4 PoE+) Gigabit Ethernet Switch - Managed - Wall Mount with Front Access

Product ID: IES81GPOEW



Easily deploy or scale your network with this Gigabit Ethernet switch, by adding eight copper Gigabit Ethernet (GbE) connections, including four PoE+ ports. This IP30 industrial network switch provides intelligent Layer 2 management. Its rugged, compact design and wall-mount option with front access make it ideal for demanding applications, even where space is limited.

## Expand your network

This Gigabit Ethernet switch lets you expand your network by connecting up to eight RJ45 devices (four PoE+). The 8-port switch enables up to eight users to share files and devices, such as printers and scanners, over a LAN connection, by enhancing your existing network capacity with additional ports.

## **Supports PoE+ for flexible use**

The switch gives you the freedom to place your equipment in locations where power outlets are not available, with support for Power over Ethernet Plus. The network switch provides abundant PoE power, with up to 30 watts for each PoE port (120W budget).

## **Wall-mountable with front access**

With its compact design, you can wall-mount the Gigabit switch to provide convenient front access to ports and indicators. It's ideal for a wide range of applications, including tight installation areas with significant electromagnetic interference, such as control cabinets and panels. The network switch is also DIN-rail mountable.

## **Efficient Layer 2 management**

The switch delivers efficient and stable performance, with Layer 2 management capabilities. This lets you control packet traffic on a busy network, and customize your settings to achieve optimal network performance, offering improved efficiency and reliability.

## **Rugged industrial design**

This rugged network switch features an IP30-rated metal housing and extended operating temperature range of -40°C to 75°C, which makes it ideal for a wide range of conditions. The sturdy metal enclosure offers durability, even in harsh industrial environments.

## **Reliable connection for seamless network performance**

With support for 10/100/1000Mbps transfer speeds, this managed switch supports full/half-duplex auto-negotiation, jumbo frames, and auto MDI/MDIX operation. This lets you connect your network devices quickly and easily, with little to no configuration required.

To help prevent any unnecessary downtime, the switch features redundant 12-58V DC terminal block power inputs, which ensures seamless operation in the event of power dips or failures.

The IES81GPOEW is backed by a StarTech.com 2-year warranty and free lifetime technical support.

### Certifications, Reports and Compatibility



### Applications

- Install in a server rack or cabinet, or wall mount in a convenient location
- An ideal solution for many network applications including IP surveillance, wireless LAN, building/home automation network and Internet of things (IoT)
- Add small workgroups to expand your existing network in a business or home office
- Works well in industrial, non-climate controlled environments, such as warehouses

### Features

- Expand your network with 8x RJ45 (4x PoE+) ports in one Gigabit network switch
- PoE power up to 30W per PoE+ port (120W budget)
- Rugged IP30 industrial design with metal housing and extended temperature range (-40° to +75° C)
- Front access provides easy access to ports and indicators
- Compact wall-mount or DIN-rail mount design (with magnetic mounts)
- Layer 2 management for improved network control, efficiency, and stability
- Compatible with 10/100/1000Mbps networks
- Redundant power design (terminal block/DC plug)
- IPv4 and IPv6 dual stack management
- IGMP and MLD support
- Support for link aggregation, VLAN tagging, spanning tree protocol, port-based network access control

<b>Hardware</b>	Warranty	2 Years
	Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3u 100BASE-FX, IEEE 802.3z 1000BASE-SX, IEEE 802.3z 1000BASE-LX, 4-Port IEEE 802.3af/at Power over Ethernet end-span PSE
	Ports	8
<b>Performance</b>	Auto MDIX	Yes
	Buffer Size	512 KB
	Compatible Networks	10/100/1000 Mbps
	Flow Control	IEEE 802.3x pause frame for full-duplex, back pressure for half-duplex
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Maximum Cable Length	328 ft [100 m]
	Maximum Data Transfer Rate	2 Gbps (Full-Duplex)
	MTBF	> 100,000 hrs @ 25 degrees C
	Supported Protocols	IEEE 802.3ad Port Trunk with LACP, IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol, IEEE 802.1s Multiple Spanning Tree Protocol, IEEE 802.1p Class of Service, RFC 3810 MLD version 2, RFC 792 ICMP, RFC 2068 HTTP, RFC 1112 IGMP version 1, RFC 2236 IGMP version 2, RFC 3376 IGMP version 3, RFC 2710 MLD version 1, IEEE 802.1Q VLAN Tagging, IEEE 802.1x Port Authentication Network Control, bIEEE 802.1ab LLDP, RFC 768 UDP, RFC 793 TFTP, RFC 791 IP
Surge Protection	6kV ESD, 6kV EFT	
Switching Architecture	Store-and-Forward	
<b>Connector(s)</b>	Connector Type(s)	4 - RJ-45 Female 4 - RJ-45 (PoE+) Female 1 - Terminal Block (3 Wire) Male
	<b>Special Notes / Requirements</b>	<b>Note</b> 4 ports support IEEE 802.3at Power over Ethernet Plus (PoE+) and IEEE 802.3af Power over Ethernet (PoE)  Supports PeE Powered Device alive check, scheduled power recycling, and time-based PoE schedule  PoE power up to 30W per PoE+ port (120W budget) and remote PoE power control  A power adapter is not included with this switch.

Patents and Licenses

The following patents are licensed for this product. This list might not be all inclusive.

- United States Patent No. 5,406,260 (expired)
- United States Patent No. 6,650,622
- United States Patent No. 7,457,250
- United States Patent No. 8,155,012
- United States Patent No. 8,902,760
- United States Patent No. 8,942,107
- United States Patent No. 9,019,838
- United States Patent No. 9,049,019
- United States Patent Application No. 14/695,456
- United States Patent Application No. 14/726,940

<b>Indicators</b>	LED Indicators	1 - Power  8 - PoE Active (yellow) Link/Activity (green)
<b>Power</b>	Input Current	1A minimum
	Input Voltage	48 ~ 56V DC
	Plug Type	M
	Power Source	Terminal Block
<b>Environmental</b>	Humidity	5~95% RH (Non-Condensing)
	Operating Temperature	-40°C to 75°C (-40°F to 167°F)
	Storage Temperature	-40°C to 90°C (-40°F to 194°F)
<b>Physical Characteristics</b>	Color	Black
	Enclosure Type	Steel
	Product Height	1 in [25 mm]
	Product Length	5.3 in [134 mm]
	Product Weight	22.9 oz [650 g]
	Product Width	5.8 in [148 mm]
<b>Packaging Information</b>	Shipping (Package) Weight	2.1 lb [0.9 kg]
<b>What's in the Box</b>	Included in Package	1 - network switch  1 - terminal block connector  4 - screw anchors  4 - screws  4 - attaching pins  4 - locking pins

- 4 - washers
- 4 - magnets
- 1 - DIN rail
- 3 - DIN-rail screws
- 8 - RJ45 dust caps
- 1 - quick-start guide

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Product appearance and specifications are subject to change without notice.