

## 6 Port Unmanaged Industrial Gigabit Ethernet Switch w/ 4 PoE+ Ports and Voltage Regulation - DIN Rail / Wall-Mountable

**Product ID:** IES61002POE



The IES61002POE 6-Port Industrial PoE+ switch lets you connect Gigabit Ethernet data and power to four PoE-enabled devices, with two additional GbE ports.

Fully compliant with IEEE 802.3at / 802.3af, the industrial Ethernet switch offers up to 30 Watts output per port, through the four PoE+ / PSE ports, while all six shielded RJ45 ports support auto-negotiation of speed and duplex for 10/100/1000Mbps Ethernet networks.

Providing seamless power failover in the event of power dips or failures, the switch features redundant 20-57V DC (nominal 24/48V DC) terminal block power inputs. When used with multiple power sources, the switch supports alarm relay contacts, which can be wired to your existing alarm circuit to give you instant notice when a power disruption occurs.

The switch also features an internal DC-DC converter with voltage regulation, which provides the PoE injector with high voltage output from a low voltage input (<24V DC), and ensures the supplied power to your connected devices remains stable during voltage spikes and dips.

To ensure dependable performance in harsh environments, this power over Ethernet switch features an extended operating temperature range (-40C to 75C), a rugged IP-30 rated case design and includes both DIN-Rail and wall-mount brackets for flexible installation options.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

### Certifications, Reports and Compatibility

### Applications

- Enable remote installation of touchscreens or information kiosks

- Power a security / network camera situated in a remote area where power connection is not possible
- Install PoE-powered Wireless Access Points (WAP) in industrial, manufacturing, warehousing or other harsh environments

## Features

- 4 PoE+ / PSE (Power + Data) Gigabit IEEE 802.3at / 802.3af compliant ports, plus 2 additional GbE ports
- Supports up to 55V, 30 Watts max output per PoE port
- Wide operating temperature range -40C to 75C (-40F to 167F)
- Redundant power inputs via 24/48V DC terminal block with alarm relay
- IP-30 rated metal enclosure
- DIN-Rail and Wall-Mountable
- Accepts wide-range 20-57V DC power input
- DC to DC 24V step-up converter

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## Hardware

Warranty	2 Years
Ports	6
Regulatory Approvals	EN61000-6-4 – Emission for industrial environment  EN61000-6-2 Immunity for Industrial environment EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (Magnetic Field) Level 3, Criteria A  Rail Traffic: EN50121-4 Shock IEC: 60068-2-27 Freefall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Industry Standards	IEEE 802.3at, 802.3af, 802.3, 802.3u, 802.3ab, 802.3z, 802.3x

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## Performance

Maximum Data Transfer Rate	2 Gbps (Full-Duplex)
Maximum Cable Length	328.0 ft [100 m]
Surge Protection	EN61000-4-2 (ESD) Level 3, Criteria B EN61000-4-4 (EFT) Level 3, Criteria A EN61000-4-5 (Surge) Level 3, Criteria B
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Switching Architecture	Store-and-Forward
MTBF	296, 517 Hours

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## Connector(s)

Connector Type(s)	RJ-45 Terminal Block (6 Wire)
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## Software

OS Compatibility	OS Independent; No additional drivers or software required
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## Special Notes / Requirements

Patents and Licenses	<p>The following patents are licensed for this product. This list might not be all inclusive.</p> <ul style="list-style-type: none"> <li>• United States Patent No. 5,406,260 (expired)</li> <li>• United States Patent No. 6,650,622</li> <li>• United States Patent No. 7,457,250</li> <li>• United States Patent No. 8,155,012</li> <li>• United States Patent No. 8,902,760</li> <li>• United States Patent No. 8,942,107</li> <li>• United States Patent No. 9,019,838</li> <li>• United States Patent No. 9,049,019</li> <li>• United States Patent Application No. 14/695,456</li> <li>• United States Patent Application No. 14/726,940</li> </ul>
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**Indicators**

LED Indicators	Power
	PoE
	Fault
	100 / 1000 Mbps
	Link / Act

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**Power**

Power Source	Terminal Block
Input Voltage	20 ~ 57 DC
Power Consumption (In Watts)	143 W Max (120 W for PoE)

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**Environmental**

Operating Temperature	-40C to 75C (-40F to 167F)
Storage Temperature	-40C to 85C (-40F to 185F)
Humidity	5~95% RH (Non-Condensing)

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**Physical Characteristics**

Color	Black
Material	Steel
Product Length	4.2 in [10.6 cm]
Product Width	2.5 in [63.0 mm]
Product Height	5.3 in [13.5 cm]
Weight of Product	29.3 oz [831.0 g]

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**Packaging Information**

Package Length	9.2 in [23.4 cm]
Package Width	7.4 in [18.8 cm]
Package Height	3.0 in [77.0 mm]



Shipping (Package) Weight	2.4 lb [1.1 kg]
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**What's in the  
Box**

Included in Package	6 Port Gigabit Switch
	Wall Mount Bracket w/ Screws
	DIN Rail Bracket w/ Screws
	Instruction Manual
	Terminal Block

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***\*Product appearance and specifications are subject to change without notice.***

