

## 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 (-40°C to 75°C), 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

- 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
- Enable remote installation of touchscreens or information kiosks

### 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
- Redundant power inputs via 24/48V DC terminal block with alarm relay
- Accepts wide-range 20-57V DC power input
- DC to DC 24V step-up converter
- Wide operating temperature range -40°C to 75°C (-40°F to 167°F)
- IP-30 rated metal enclosure
- DIN-Rail and Wall-Mountable

<b>Hardware</b>	Warranty	2 Years
	Industry Standards	IEEE 802.3at, 802.3af, 802.3, 802.3u, 802.3ab, 802.3z, 802.3x
	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
<b>Performance</b>	Auto MDIX	Yes
	Compatible Networks	10/100/1000 Mbps
	Full Duplex Support	Yes
	Maximum Cable Length	328 ft [100 m]
	Maximum Data Transfer Rate	2 Gbps (Full-Duplex)
	MTBF	296, 517 Hours
	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
	Switching Architecture	Store-and-Forward
<b>Connector(s)</b>	Connector Type(s)	1 - Terminal Block (6 Wire) Female  6 - RJ-45 Female
	OS Compatibility	OS Independent; No additional drivers or software required
<b>Special Notes / Requirements</b>	Patents and Licenses	The following patents are licensed for this product. This list might not be all inclusive. <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>
<b>Indicators</b>	LED Indicators	2 - Power

		6 - 100 / 1000 Mbps
		6 - Link / Act
		4 - PoE
		1 - Fault
<b>Power</b>	Input Voltage	20 ~ 57 DC
	Power Consumption (In Watts)	143 W Max (120 W for PoE)
	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 85°C (-40°F to 185°F)
<b>Physical Characteristics</b>	Color	Black
	Enclosure Type	Steel
	Product Height	5.3 in [135 mm]
	Product Length	4.2 in [106 mm]
	Product Weight	29.3 oz [831 g]
	Product Width	2.5 in [63 mm]
<b>Packaging Information</b>	Shipping (Package) Weight	2.4 lb [1.1 kg]
<b>What's in the Box</b>	Included in Package	1 - 6 Port Gigabit Switch
		1 - Terminal Block
		1 - Wall Mount Bracket w/ Screws
		1 - DIN Rail Bracket w/ Screws
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.