

Industrial 5 Port Gigabit Ethernet Switch - 4 PoE RJ45 +2 SFP Slots 30W PoE+ 12-48VDC 10/100/1000 Rugged Power Over Ethernet LAN Switch -40C to 75C - DIN Mountable

Product ID: IES1G52UP12V



Easily deploy or scale your network with this Gigabit Ethernet switch, features four dedicated PoE+ enabled ports, and one dedicated open SFP slot plus the flexibility of a switchable RJ-45/Open SFP port for use as an uplink or for non-PoE devices. It features an IP-30 housing, compact design, and is wall and DIN rail mountable.

Ideal for powering PoE devices in situations where a traditional power source is not available; it accepts power as low as 12VDC for applications such as transportation (auto/bus/rail) and solar. PoE output is boosted to PoE/PoE+ standards (IEEE 802.3af/at, 55V) in applications where non-standard 12V (or higher) power sources are available.

With a total power budget of 120W, this PSE Ethernet switch provides up to 30W of power per PoE port to IEEE 802.3af (PoE / Type 1) and IEEE 802.3at (PoE+ / Type 2) powered devices (PD) like:

- Cameras
- Sensors
- Wi-Fi access points

Uses Cat 5e (or higher rated) Ethernet cabling.

Power input flexibility between 12/24/48/56V DC and low voltage DC inputs reduces the complexities of installation by avoiding additional in-line devices to boost power before it reaches the switch.

This unique switch allows for 5x RJ-45 ports (4x PoE) to be active + 1 SFP, or 4 x RJ-45 (all PoE) + 2 SFP, for 6 device connections total.

Industrial features include -40 C to 75 C operating temperature, IP-30 rated housing, vibration, shock, and free-fall standard testing.

- Vibration: EN 60068-2-6
- Shock: EN 60068-2-27
- Free-Fall: EN 60068-2-32

Includes an exterior aluminum heat sink for superior passive cooling; 600,000+ hours MTBF rating using Telcordia/Bellcore at 50 C for long-term reliability.

Dual power inputs provide redundancy. Accepts dual terminal block power, allowing the product to be hardwired from multiple power sources for high availability applications.

The IES1G52UP12V is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

Features

- **POWER OVER ETHERNET:** Industrial 6 Port Gigabit Ethernet Switch w/ 120W power budget (30W per 4 PoE ports PSE) to 802.3af/PoE or 802.3at/PoE+ for cameras, sensors, wi-fi APs over Cat5e or higher cable
- **ROBUST DESIGN:** Rugged/Hardened IP-30/vibration/shock/free fall ratings; operating temperature range of -40C to 75C w/ MTBF of 500,000+ hrs using Telcordia/Bellcore @ 50C; DIN Rail/wall mountable
- **TECH SPECS:** 10/100/1000 Mbps Auto-Negotiation Unmanaged 6 Total Mixed Fiber/Copper Connections: 4 PoE ports + 1 SFP + 1 Flexible Copper or SFP port (MSA Compliant)
- **FLEXIBLE POWER:** Can be wired via dual redundant terminal block inputs with voltage as low as 12V DC, boosted as needed to PoE/PoE+ (55V) standard
- **STARTECH.COM ADVANTAGE:** IT professionals choice for over 30 years; This Gigabit PoE switch is backed for 2-years by StarTech.com, including free 24/5 North America based multi-lingual tech support

Hardware	Warranty	2 Years
	Ports	6
	Industry Standards	IEEE 802.3 10/100/1000BASE-T IEEE 802.3x IEEE 802.3af Power over Ethernet IEEE 802.3at PoE Plus
	Chipset ID	Marvell 88E6161 Microsemi PD69104
Performance	Maximum Cable Length	328.0 ft [100 m]
	Buffer Size	128 KB
	Flow Control	IEEE 802.3x Flow Control and Back Pressure
	Compatible Networks	10/100/1000 Mbps
	Auto MDIX	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Switching Architecture	Back-plane (Switching Fabric): 12Gbps
	General Specifications	ESD Standard: IEC 61000-4-2: Contact: 6KV; Air: 8KV EFT Standard: IEC 61000-4-4: Power: 2KV; Signal: 2KV Surge Standard: IEC 61000-4-5: Power: 2KV; Signal: 2KV Vibration Standard: EN 60068-2-6 Shock Standard: EN 60068-2-27 Free-Fall Standard: EN 60068-2-32 Housing Standard: IP-30
	MTBF	
Supported Protocols		

Safety Standard: EN60950-1

693,764 hours

C SMA/CD</br>IEEE 802.3</br>IEEE 802.3at</br>IEEE 802.3af

Connector(s)	Connector Type(s)	Terminal Block (6 Wire)
	Connector Type(s)	SFP Slot
	Connector Type(s)	Ethernet Gigabit
	Connector Type(s)	RJ-45 (PoE+)
Special Notes / Requirements	Patents and Licenses	United States Patent No. 5,406,260 (expired) </br>United States Patent No. 6,650,622</br>United States Patent No. 7,457,250</br>United States Patent No. 8,155,012</br>United States Patent No. 8,902,760</br>United States Patent No. 8,942,107</br>United States Patent No. 9,019,838</br>United States Patent No. 9,049,019</br>United States Patent Application No. 14/695,456</br>United States Patent Application No. 14/726,940</br>
Indicators	LED Indicators	PW1, PW2
	LED Indicators	Relay
	LED Indicators	SFP F5, F6
	LED Indicators	PoE P1, P2, P3, P4
	LED Indicators	Link/Active
	LED Indicators	Speed 1000/100M
Power	Power Source	Terminal Block
Environmental	Operating Temperature	-40C~75C
	Storage Temperature	-40C~85C
	Humidity	5 to 95% (non-condensing)
Physical Characteristics	Color	Black
	Material	Aluminum and Steel
	Product Length	5.6 in [1.4 cm]
	Product Width	4.1 in [1.0 cm]
	Product Height	1.7 in [42.8 mm]
	Weight of Product	24.8 oz [701.4 g]
Packaging	Package Length	6.4 in [1.6 cm]

Information

Package Width	8.3 in [2.1 cm]
Package Height	2.5 in [64 mm]
Shipping (Package) Weight	33.4 oz [946.4 g]

What's in the Box

Included in Package	Media Converter
Included in Package	Mounting Hardware Kit
Included in Package	Quick-Start Guide
Included in Package	Terminal Block

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

