Industrial 6 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 - TAA

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 availabilty applications.

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

Certifications, Reports and Compatibility

Applications

Features

• FIBER & PoE: Industrial 6 Port Gigabit Ethernet Switch IEEE 802.3af (PoE) or 802.3at (PoE+) 30W max per 4 x PoE ports PSE + 2 x open SFP slots Use with devices like cameras, sensors, wi-fi APs

• TECH SPECS: 10/100/1000 Mbps Auto-Negotiation Unmanaged 6 Total Mixed Fiber/Copper Connections: 4 PoE ports + 1 SFP + 1 Flex Copper or SFP port (MSA Compliant) Total power budget: 120W

• FLEXIBLE 12V POWER INPUT: Can be wired via dual redundant terminal block inputs with voltage as low as 12V DC, boosted as needed to PoE/PoE+ (55V) for applications like solar, rail, and automotive

• ROBUST DESIGN: Industrial Network Switch w/MTBF 500,000+hrs @ 50C Vibration, shock & free fall rated Rugged industrial IP-30 aluminum housing -40C to 75C hardened operating temp DIN/Wall Mount

• 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

General

UPC	065030889834
Package Quantity	1
Warranty	2 Years

Compliance & Certifications

	Patents and Licenses	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,
Power		
	Power Source	Terminal Block
Physical & Environmental		
	Color	Black
	Material	Aluminum and Steel
	Product Length	5.6 in [14.2 cm]
	Product Width	4.1 in [10.5 cm]
	Product Height	1.7 in [42.8 mm]
	Weight of Product	24.8 oz [701.4 g]
	Operating Temperature	-40C~75C
	Storage Temperature	-40C~85C
	Humidity	5 to 95% (non-condensing)
Performance		
	Device Power Consumption	128W
	Maximum Cable Length	328.1 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

	Supported Protocols	CSMA/CD, IEEE 802.3, IEEE 802.3at, IEEE 802.3af
	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, Safety Standard: EN60950-1
	MTBF	693,764 hours

Hardware

	Number of Ports	6
	PoE	Yes
	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, IC Plus IP804AR
	LED Indicators	2 - PW1, PW2
		1 - Relay
		2 - SFP F5, F6
		4 - PoE P1, P2, P3, P4
		5 - Link/Active
		5 - Speed 1000/100M

Packaging & In-the-Box

	Included in Package	1 - Media Converter
		1 - Terminal Block
		1 - Mounting Hardware Kit
		1 - Quick-Start Guide
	Package Width	9.1 in [23 cm]
	Package Depth	18.5 in [47.1 cm]
	Package Height	2.7 in [68 mm]
	Shipping (Package) Weight	32.4 oz [918 g]

Connector(s)		
	Connector 1 (Quantity)	1
	Connector 1	Terminal Block (6 Wire)
	Connector 2 (Quantity)	2
	Connector 2	SFP Slot
	Connector 3 (Quantity)	1
	Connector 3	RJ-45
	Connector 4 (Quantity)	4
	Connector 4	RJ-45

Product appearance and specifications are subject to change without notice.