

Industrial 6 Port Gigabit Ethernet Switch 4 PoE RJ45 +2 SFP Slots 30W PoE+ 48VDC 10/100/1000 Power Over Ethernet LAN Switch -40C to 75C with DIN Connector/Mountable

**Product ID:** IES1G52UPDIN



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.

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.

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

500,000+ hours MTBF rating using Telcordia/Bellcore at 50 C for long-term reliability.

Dual power inputs provide redundancy. Accepts terminal block power or DIN power connectors for additional power supply flexibility, allowing the product to be hardwired or powered using an external power supply (not included), which does not require professional installation.

The IES1G52UPDIN 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
- **FLEXIBLE POWER INPUT:** Use a DIN power connector or hardwire using terminal block power, or use dual power sources for redundancy Input voltage range is 48-56V DC
- **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
- **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) Total power budget: 120W
- **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

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### Hardware

Warranty	2 Years
Ports	6
Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-TX, IEEE 802.3x, IEEE 802.3af Power over Ethernet, IEEE 802.3at PoE Plus
Chipset ID	Marvell 88E6161, IC Plus IP804AR

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### Performance

Maximum Cable Length	328.0 ft [100 m]
Buffer Size	1 MB
Flow Control	IEEE 802.3x Flow Control and Back Pressure

Surge Protection	2kV
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: IEC 61000-4-2: Contact: 6KV; Air: 8KV, EFT: IEC 61000-4-4: Power: 2KV; Signal: 2KV, Surge: IEC 61000-4-5: Power: 2KV; Signal: 2KV, Vibration: EN 60068-2-6, Shock: EN 60068-2-27, Free-fall: EN 60068-2-32, Housing: IP-30, Safety: EN60950-1, Safety: MET (UL) 60950-1,
MTBF	525,058 hours
Supported Protocols	CSMA/CD, IEEE 802.3af, IEEE 802.3at

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#### Connector(s)

Connector Type(s)	1 - Terminal Block (6 Wire)
	4 - RJ-45 (PoE+)
	1 - Ethernet Gigabit
	2 - SFP Slot
	1 - 4 pin Power DIN Connector Female

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#### Special Notes / Requirements

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,
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#### Indicators

LED Indicators	3 - Power
	1 - RLY
	2 - SFP
	5 - LNK



4 - PoE

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**Power**

Input Voltage	48 ~ 56V DC
Input Current	3A
Power Consumption (In Watts)	Max. 126W

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**Environmental**

Operating Temperature	-40C to 75C
Storage Temperature	-40C to 85C
Humidity	5 to 95% (non-condensing)

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**Physical Characteristics**

Color	Black
Material	Steel
Product Length	5.6 in [14.2 cm]
Product Width	4.1 in [10.5 cm]
Product Height	1.4 in [3.6 cm]
Weight of Product	17.4 oz [492.0 g]

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**Packaging Information**

Package Length	6.4 in [16.2 cm]
Package Width	8.3 in [21.1 cm]
Package Height	2.5 in [6.4 cm]
Shipping (Package) Weight	26.0 oz [737.0 g]

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**What's in the Box**

Included in Package	1 - Industrial Grade Ethernet Switch
	1 - Terminal Block



1 - Mounting Hardware Kit

1 - Quick-Start Guide

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

