

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

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, Microsemi PD69104 |

Performance

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|----------------------|--|
| 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 |

Connector(s)

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

Special Notes / Requirements

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|----------------------|--|
| 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 | Power |
| | RLY |
| | SFP |
| | LNK |
| | PoE |

Power



| | |
|------------------------------|-----------|
| Power Consumption (In Watts) | Max. 126W |
|------------------------------|-----------|

Environmental

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

Physical Characteristics

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|-------------------|-------------------|
| 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 [36.2 mm] |
| Weight of Product | 17.4 oz [492.0 g] |

Packaging Information

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|---------------------------|-------------------|
| Package Length | 6.4 in [16.2 cm] |
| Package Width | 8.3 in [21.1 cm] |
| Package Height | 2.5 in [64.0 mm] |
| Shipping (Package) Weight | 26.0 oz [737.0 g] |

What's in the Box

| | |
|---------------------|----------------------------------|
| Included in Package | Industrial Grade Ethernet Switch |
| | Terminal Block |
| | Mounting Hardware Kit |
| | Quick-Start Guide |

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

