PoE-Powered 5-Port Gigabit Switch with PoE-Passthrough

One PoE PD Port, Four PSE PoE ports, IEEE 802.3at/af (PoE+/PoE) Compliant, PoE Power Budget up to 60 W, Desktop Format, Wall-mount Option

Part No.: 561082

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Get the most out each Power over Ethernet connection with this PoE passthrough switch

The PoE-Powered 5-Port Gigabit Switch with PoE-Passthrough from Intellinet Network Solutions is designed to take power from a PoE switch or injector and pass both data and electrical power to a number of PoE-compatible devices via standard Cat5e or Cat6 network cables. Equipped with five Gigabit Ethernet ports, this switch can power up to four wireless LAN access points and bridges, VoIP phones or IP video cameras, draw its own power from the PoE switch it is connected to, and deliver network speeds of up to 1,000 Mbps.

Usable as a PoE extender

Thanks to its PoE passthrough technology that extends a PoE connection, this versatile unit doubles the range between PoE source and device from 100 m (328 ft.) to 200 m (656 ft.). Using it this way also eliminates the time and expense of electrical rewiring, which ultimately minimizes the unsightly clutter of power cables in awkward places such as ceilings and walls while providing up to 30 W to compatible devices.

Power over Ethernet 802.3at Compliant

This switch supports the IEEE 802.3at protocol and is designed to inject up to 30 watts of power per port. IEEE802.3af- or IEEE802.3at-compliant devices attached to the switch require no additional power, thus eliminating the time and expense of electrical rewiring and minimizing the unsightly clutter caused by power supplies and adapters in awkward places such as ceilings and walls. Any mix of PoE and non-PoE devices is supported, and thanks to its short-

circuit, overload and high-voltage protection function, your equipment is well-protected. For devices that are not 802.3at/af compliant (legacy wireless access points or network cameras), we suggest the use of a PoE Splitter from Intellinet Network Solutions.

The Perfect Workgroup Switch

When you connect the PD port (port 5) to a PoE+ enabled IEEE 802.3af/at compliant PoE injector or switch, this product uses some of the electric current to power itself and passes the available surplus power to up to four PoE edge devices, such as VoIP phones, allowing you to realize the full potential of each of the PSE ports in your data center.

Eliminate Bottlenecks with Gigabit Speeds

Equipped with five auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports, the 10 Gbps switch fabric provides plenty of performance for your computers and other networking devices.

Wall-mount option

For full installation flexibility, you can mount the switch on the wall through its four built-in holes or use the included non-slip rubber feet to place it on a desktop.

Features:

- Receives power from a PoE injector or PoE switch and provides power to up to four PoE network devices
- Doubles the connection distance between PoE source and device from 100 m (328 ft.) to 200 m (656 ft.)
- Can be powered via PoE or the included power adapter
- Total power budget of 60 watts when using AC power
- Total power budget of 26 watts when powered via PD input port
- Power output up to 30 watts per port
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Saves installation costs by delivering data and power over existing network cables
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (e.g., wireless access points, VoIP phones, IP cameras)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- 10 Gbps switch fabric
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification

- Green Ethernet power-saving technology that deactivates unused ports and adjusts power levels based on the cable length
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- All RJ45 ports with Auto-MDIX (auto uplink) support
- Store and forward switching architecture
- IEEE 802.3x flow control for full duplex
- Supports up to 2048 MAC address entries
- Buffer memory of 1.5 MBits
- Compact desktop format with rugged metal housing
- Fanless design for silent operation
- Mounting holes for wall mounting
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards
• IEEE 802.3 (10Base-T Ethernet)
• IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
• IEEE 802.3af (Power over Ethernet 802.3at Type 1)
• IEEE 802.3at (Power over Ethernet 802.3at Type 2)
• IEEE 802.3az (Energy Efficient Ethernet EEE)
• IEEE 802.3u (100Base-TX Fast Ethernet)
• IEEE 802.3x (flow control, for full duplex mode)

General
• Media support:
  - 10Base-T Cat3, 4, 5 UTP/STP RJ45
  - 100Base-TX Cat5 UTP/STP RJ45
  - 1000Base-T Cat5e UTP/STP RJ45
• Packet filter/forwarding rate:
  - 1,488,000 pps (1000 Mbps)
  - 148,800 pps (100 Mbps)
  - 14,880 pps (10 Mbps)
• MAC address table: 2048 entries
• Buffer memory: 1.5k Mbits
• Backplane speed: 10 Gbps
• Switch architecture: store and forward
• Certifications: FCC Class A, CE, RoHS, UKCA, NDAA

LEDs
• Power
• PoE
• Link/activity

PoE Pinout

• IEEE 802.3af Standard Mode A
  - Pin 1: DC (+)
  - Pin 2: DC (+)
  - Pin 3: DC (-)
  - Pin 6: DC (-)

Power
• Included power adapter:
  - Input: 100.0 - 240.0 VAC, 50 - 60 Hz, 1.5 A
  - Output: DC, 51.0 V, 1.25 A
  - PoE Budget: 60.0 watts (maximum)
  - Power consumption: 63.75 watts (maximum)
• Via PD port (port 1)
  - Input: IEEE802.3af/at compliant
  - PoE Budget: 26.0 watts (maximum)
  - Power consumption: 30.0 watts (maximum)

Physical
• Metal housing
• Dimensions (L x W x H): 78 x 140 x 28 mm (3.07 x 5.51 x 1.1 in.)
• Net weight: 270 g (0.6 lbs.)
• Gross weight: 900 g (1.98 lbs.)
• Operating temperature: 0 - 40°C (32 - 104°F)
• Storage temperature: 0 - 70°C (32 - 158°F)
• Operating humidity: 10 - 90% RH, non-condensing

Package Contents
• PoE-Powered 5-Port Gigabit Switch with PoE-Passthrough
• Power adapter
• Power cable
• Instructions

Please note: The total power budget for this switch is 60 watts when using the included AC power adapter. This brings the maximum per-port power distribution to 15 watts. When using the PD port to provide power, the total power budget is 26 watts (6.5 watts per port). The maximum per-port power usage cannot exceed 30 watts.