

PoE-Powered 5-Port Gigabit Switch with PoE Passthrough

65 W PoE Power Budget, One IEEE 802.3bt (PoE++ / 4PPoE) PD PoE Port with 95 W Power Input, Four PSE PoE ports, IEEE 802.3at/af Compliant Output, Self-Healing Network, Desktop, Wall-mount Option

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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 802.3bt Compliant

This switch supports the IEEE 802.3bt protocol over four pairs (4PPoE), which allows for a power input up to 95 W. It forwards data at Gigabit speeds and offers up to 30 watts per port to a connected IEEE 802.3at- or IEEE 802.3af-compliant device.

The Perfect Workgroup Switch

When you connect the PD port (port 5) to a 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.

Self-Healing Network - Powered Device Monitor (PDM) for quick self-recovery of your network devices

Despite being an unmanaged switch, the included PDM feature (PD Alive, PoE Watchdog) keeps an eye on connected PoE devices such as surveillance cameras and restarts them in case they stop responding. This will reduce your service calls and management burdens significantly.

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:

- Supports up to 95 W power input from a PoE injector or switch
- PoE power budget up to 65 watts when using AC power or IEEE 802.3bt via PD input port
- Provides up to four PoE network devices with power and data
- Doubles the connection distance between PoE source and device from 100 m (328 ft.) to 200 m (656 ft.)
- Self-Healing Network - the Powered Device Monitor feature (PDM), also known as PD Alive Check, restarts any connected PoE device that fails to respond or send out network traffic
- Can be powered via PoE or the included power adapter
- PoE power budget of 25 W through IEEE 802.3at connection and 10 W through IEEE 802.3af connection
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Power output up to 30 watts per port
- 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
- Grounding point to protect equipment from external electrical surges
- 10 Gbps switch fabric

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- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- All RJ45 ports with Auto-MDIX (auto uplink) support
- Supports jumbo frames up to 9 kBytes
- Store and forward switching architecture
- IEEE 802.3x flow control for full duplex
- Supports up to 2048 MAC address entries
- 1024 kBytes buffer memory
- Mounting holes for wall mounting
- Rubber feet for non-slip desktop use
- Fanless design for silent operation
- 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 802.3bt (PoE++/4PPoE Power over Ethernet)
• 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: 1024 kB
• Backplane speed: 10 Gbps
• Switch architecture: store and forward
• Certifications: FCC Class A, CE, RoHS, UKCA, NDAA

LEDs
• Power
• Link/activity
• PoE

PoE Pinout
• 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, 2.0 A
  - Output: DC, 54.5 V, 1.32 A
  - PoE Budget: 65.0 watts (maximum)
  - Power consumption: 72.0 watts (maximum)
• Via PD port (port 5)
  - Input: IEEE802.3af/at/bt compliant
  - PoE Budget: 65.0 watts (maximum) with IEEE802.3bt input; 25.0 watts with IEEE802.3at input; 10.0 watts with IEEE802.3af input
  - Power consumption: 71.0 watts (maximum)

Physical
• Metal housing
• Dimensions (L x W x H): 93 x 168 x 32 mm (3.66 x 6.61 x 1.26 in.)
• Net weight: 400 g (0.88 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

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- PoE-Powered 5-Port Gigabit Switch with PoE Passthrough
- Power adapter
- Power cable
- Four rubber feet
- Instructions

Please note: The total PoE budget for this switch is 65 watts when using the included AC power adapter or IEEE 802.3bt input. This brings the maximum per-port power distribution to 16 watts. The maximum per-port power usage cannot exceed 30 watts.








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