

PoE-Powered 8-Port Gigabit Ethernet PoE+ Switch with PoE Passthrough

One Ultra PoE++ IEEE 802.3bt (4PPoE) PD PoE Port with 90 W Power Input, Seven PSE PoE Ports, PoE Power Budget up to 85 W, IEEE 802.3at/af Compliant

Part No.: 561679

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The PoE Passthrough Switch — Save installation costs with Power over Ethernet and get the most out each PoE connection

The Intellinet Network Solutions 8-Port Gigabit Ethernet PoE+ Switch with PoE Passthrough is designed to take power from a PoE switch or injector and pass both data and electrical power to PoE-compatible devices via network cables. Its PD port even supports power input from the latest Ultra PoE++ (4PPoE Power over Ethernet) sources, easily handling up to 90 W. Equipped with eight Gigabit Ethernet ports, this PoE Passthrough Switch can power up to seven wireless LAN access points and bridges, VoIP phones or IP video cameras and deliver network speeds up to 1,000 Mbps without an external power adapter.

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 the PoE Passthrough Switch 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 85 W to compatible devices.

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Features:

- Supports up to 90 W power input from a PoE injector or switch
- Provides up to seven 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.)
- PoE power budget of 85 W with 90 W power input through IEEE 802.3bt connection
- PoE power budget of 20 W through IEEE 802.3at connection and 10 W through IEEE 802.3af connection
- Powered via PoE only
- Saves installation costs by delivering data and power over existing network cables
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Power output up to 30 watts per port
- Grounding point to protect equipment from external electrical surges
- 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
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- Switch fabric of 16 Gbps
- Green Ethernet power-saving technology deactivates unused ports and adjusts power levels based on the cable length
- All RJ45 ports with Auto-MDIX (auto uplink) support
- Supports 2k MAC address entries with auto-learning and auto-aging
- Store and forward switching architecture
- Supports IEEE 802.3x flow control on full duplex and backpressure on half duplex
- LEDs for power, link/activity and PoE
- Fanless design ideal for silent operation
- Three-year warranty

Specifications:

Standards
• IEEE 802.3i (10Base-T Ethernet)
• IEEE 802.3u (100Base-TX Fast 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 (Ultra PoE++/4PPoE Power over Ethernet)
• IEEE 802.3az (Energy Efficient Ethernet [EEE])
• IEEE 802.3x (flow control for full-duplex mode)

General

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• Media support:
- 10Base-T Cat5e UTP/STP RJ45, 8 pin
- 100Base-TX Cat5e UTP/STP RJ45, 8 pin
- 1000Base-T Cat5e UTP/STP RJ45, 8 pin
• Packet filter/forwarding rate:
- 1,488,000 pps (1,000 Mbps)
- 148,800 pps (100 Mbps)
- 14,880 pps (10 Mbps)
• MAC address table: 2,000 entries
• Backplane speed: 16 Gbps
• Switch architecture: store and forward
• Certifications: FCC Class B, CE, RoHS

LEDs
• PoE
• Power
• Link/activity

Pinout RJ45 input port
- Pin 1: DC (-)
- Pin 2: DC (-)
- Pin 3: DC (+)
- Pin 4: DC (+)
- Pin 5: DC (+)
- Pin 6: DC (+)
- Pin 7: DC (-)
- Pin 8: DC (-)

Pinout RJ45 output ports
- Pin 1: DC (-)
- Pin 2: DC (-)
- Pin 3: DC (+)
- Pin 6: DC (+)

Power
• Via PD port (port 8)
- Input: IEEE802.3af/at/bt compliant
- PoE Budget: 85 watts (maximum)
- Input: 48 - 57 V DC; up to 90 watts
- Output: 44 - 57 V DC; up to 30 watts per port

Environmental
• Metal housing
• Dimensions: 104 x 240 x 29 mm (4.09 x 9.45 x 1.14 in.)
• Weight: 660 g (1.46 lbs.)
• Operating temperature: 0 - 40°C (32 - 104°F)
• Storage temperature: -20 - 70°C (-4 - 158°F)

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- Operating humidity: 10 - 90% RH, non-condensing
- Storage humidity: 5 - 95% RH, non-condensing

Package Contents
- 8-Port Gigabit Ethernet PoE+ Switch with PoE Passthrough
- Instructions





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