

8-Port Gigabit Ethernet PoE+ Switch

140 W PoE Power Budget, IEEE 802.3at/af Power over Ethernet (PoE+/PoE) Compliant, Endspan, Desktop, 19" Rackmount

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When you need power for compatible devices, Power over Ethernet provides it.

The Intellinet Network Solutions 8-Port Gigabit Ethernet PoE+ Switch is designed to pass both data and electrical power to a number of PoE-compatible devices via standard Cat5e or Cat6 network cables. Equipped with eight Gigabit Ethernet ports, this switch can power wireless LAN access points and bridges, VoIP phones, IP video cameras and more while delivering network speeds of up to 1000 Mbps.

Save installation time and money with PoE 802.3at.

The Intellinet Network Solutions 8-Port Gigabit Ethernet PoE+ 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 (e.g., legacy wireless access points or network cameras), we suggest the use of an Intellinet Network Solutions PoE/PoE+ Splitter.

* Total PoE budget for this switch is 140 watts. Per-port average power distribution is 17.5 watts; maximum per-port power usage cannot exceed 30 watts.

Features:

- Provides power and data connection for up to eight PoE network devices
- Saves time and money by delivering data and power via existing network cables
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- PoE power budget of 140 watts
- Power output up to 30 watts per port*
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (wireless access points, VoIP phones, IP cameras)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- 4 kV surge protection for PoE ports
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- Supports Jumbo Frames up to 9 kBytes
- 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 8K MAC address entries
- 256 kBytes buffer memory
- Cooling fan for ventilation
- Desktop-size metal case
- Includes 19" rackmount brackets
- 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)

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• IEEE 802.3x (flow control, for full duplex mode)

General
• Media support:
  - 10Base-T UTP/STP RJ45
  - 100Base-TX UTP/STP RJ45
  - 1000Base-T UTP/STP RJ45
• MAC address table: 8K entries
• Buffer memory: 256 kB
• Backplane speed: 16 Gbps
• Packet forwarding rate: 11.9 Mbps
• Switch architecture: store and forward
• Certifications: FCC Class B, VCCI Class B, CE, RoHS, EN 60950-1, UKCA, NDAA

• Pinout RJ45 output ports (Data + Power)
  - IEEE Alternative A
  - Pin 1: Vport [+]
  - Pin 2: Vport [+]
  - Pin 3: Vport [-]
  - Pin 4: Unused
  - Pin 5: Unused
  - Pin 6: Vport [-]
  - Pin 7: Unused
  - Pin 8: Unused

LEDs
• PoE
• Power
• Link/activity

Power
• Input: 100 – 240 VAC, 50 – 60 Hz
• Power consumption: 150 watts (maximum)

Environmental
• Metal housing
• Dimensions: 280 (W) x 180 (L) x 44 (H) [mm] / 11.02 (W) x 7.09 (L) x 1.73 (H) [in]
• Weight: 2.55 kg (5.6 lbs.)
• Operating temperature: 0 – 40°C (32 – 104°F)
• Operating humidity: 10 – 90% RH, non-condensing
• Storage temperature: -20 – 70°C (-4 – 158°F)

Package Contents
• 8-Port Gigabit Ethernet PoE+ Switch
• Power cable
• User manual
• 19" mounting brackets





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