



8-Port Gigabit Ethernet PoE+ Switch

60 W PoE Power Budget, IEEE 802.3at/af (PoE+/PoE) Compliant, Unmanaged with Self-Healing Network, PoE Extend Mode and VLAN, Desktop Format

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8-Port PoE Switch with VLAN and PoE Extend Mode - Unmanaged Switch with Self-Healing Network Feature

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

High-Power PoE+ 802.3at

This high-powered Power over Ethernet switch supports the IEEE 802.3at protocol and can inject up to 30 watts of power per port. IEEE802.3af- or IEEE802.3at-compliant devices attached to the switch need no additional power, helping to avoid the time and expense of electrical rewiring and minimizing the unsightly clutter of power supplies and adapters on 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 an Intellinet Network Solutions PoE/PoE+ Splitter.

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.

PoE Extend Mode, ideal for IP cameras

Selectable with a convenient DIP switch on the front panel, you can manually activate a "PoE Extend Mode" that reduces network speeds to 10 Mbps and extends the PoE range up to 820 ft. (250 m), which is ideal for delivering power and data to IP cameras over longer distances.

Features:

- Unmanaged PoE switch with Self-Healing Network feature and PoE extend mode
- Provides up to eight PoE network devices with power and data
- PoE power budget of 60 watts
- Power output up to 30 watts per port
- Self-Healing Network - the Powered Device Monitor feature (PDM) restarts any connected PoE device that fails to respond or send out network traffic
- Manual PoE extend mode, ideal for IP camera installations (reduces network speed to 10 Mbps and extends PoE support to 250 m/820 ft.), isolates ports 2 to 8 from each other while allowing them to communicate with uplink port 1
- Manual VLAN mode to isolate ports 2 to 8 from each other while allowing them to communicate with uplink port 1
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- 16 Gbps switch fabric / switching capacity
- Short-circuit, overload and high-voltage protection
- Saves time and money by delivering data and power via existing network cables
- Auto-sensing PoE awareness to ensure that power is only sent to IEEE 802.3at/af-compliant devices; non-PoE devices only receive data
- Supports 2k MAC address entries with Auto-Learning and Auto-Aging
- Supports jumbo frames up to 16 kBytes
- Buffer memory of 1 Mbit
- PoE surge protection up to 6 kV in common mode and 2 kV in differential mode
- ESD protection up to 8 kV (air) and 6 kV (contact)
- 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
- Grounding point to protect equipment from external electrical surges
- Fanless design ideal for silent operation

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

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- Rubber feet for non-slip desktop use
- 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 Type 1)
- IEEE 802.3at (Power over Ethernet Type 2)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control for full duplex mode)

General

- Media support:
 - 10Base-T Cat5e/6/6a/8.x UTP/STP RJ45
 - 100Base-TX Cat5e/6/6a/8.x UTP/STP RJ45
 - 1000Base-T Cat5e/6/6a/8.x UTP/STP RJ45
- MAC address table: 2k
- Buffer memory: 1 Mbit
- Forwarding rate: 11.9 Mpps
- Backplane speed / switch fabric: 16 Gbps
- Switch architecture: store and forward
- Certifications: FCC, CE, RoHS, UKCA, NDAA

Modes (selectable via DIP switch on back panel)

- Standard
- VLAN (Port Isolation)
- Extend

LEDs

- Power
- Link/activity
- PoE

Pinout RJ45 output ports

- Pin 1: DC (+)
- Pin 2: DC (+)
- Pin 3: DC (-)
- Pin 6: DC (-)

Power

- Input: 100.0 - 240.0 VAC, 50 - 60 Hz, internal power supply
- PoE power budget: 60.0 W (max.)
- Power consumption: 65.0 W (max.)

Physical

- Metal housing
- Dimensions (L x W x H): 94 x 168 x 32 mm (3.7 x 6.61 x 1.26 in.)
- Net weight: 610 g (1.34 lbs.)
- Gross weight: 810 g (1.79 lbs.)
- Operating temperature: 0 to 45°C (32 to 113°F)
- Storage temperature: -40 - 70°C (-40 to 158 °F)
- Operating humidity: 10 to 90% RH, non-condensing
- Storage humidity: 5 to 90% RH, non-condensing

Package Contents

- 8-Port Gigabit Ethernet PoE+ Switch with Self-Healing Network and PoE Extend Mode
- Power cable
- Instructions
- Four rubber feet

