



16-Port Fast Ethernet PoE+ Switch

16 x PoE IEEE 802.3at/af Power-over-Ethernet (PoE+/PoE) ports, Endspan, 19" Rackmount

Part No.: **560849**

Deliver Power over Ethernet to remote devices.

The Intellinet PoE+ Office Switch, Model 560849, is equipped with 16 10/100Base-TX Fast Ethernet ports, all of which support 802.3af/at Power over Ethernet (PoE/PoE+). Besides being a versatile network LAN switch, it also provides a Power over Ethernet option that supplies power injection to 802.3af/at-compliant devices, such as IP phones, wireless access points and network cameras.

Power over Ethernet 802.3at

The Intellinet 16-Port Fast Ethernet Rackmount 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 (legacy wireless access points or network cameras), we suggest the use of an Intellinet PoE/PoE+ Splitter.

Optimum Performance

Besides providing Power over Ethernet functionality, the PoE Office Switch has some very impressive features as a switch. For starters, the auto features of this switch make installation Plug and Play and hassle free. No configuration is required. Auto-MDI/MDI-X crossover on all ports eliminates the need for crossover cables for connection to another switch or hub. Auto-negotiation on each port senses the link speed of a network device (either 10 or 100) and intelligently adjusts for compatibility and optimal performance.

* Total PoE budget for this switch is 250 watts. Per-port average power distribution is 15.6 watts; maximum per-port power usage cannot exceed 30 watts.

Features:

- Save time and money by delivering data and power via existing network cables
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Power output up to 30 watts per port*
- PoE power budget of 250 watts
- All RJ45 ports with Auto-MDIX and NWay auto-negotiation support
- 10/100 auto-sensing ports automatically detect optimal network speeds
- 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
- Store and forward switching architecture
- Full/half duplex operation

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

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- IEEE 802.3x flow control for full duplex
- Zero packet loss backpressure flow control for half duplex
- Packet filtering/forwarding rates: 148,800 pps (100 Mbps), 14,880 pps (10 Mbps)
- Supports 4096 MAC address entries
- 156 kBytes buffer memory
- LEDs for power, link/activity and PoE
- Three-Year Warranty

Specifications:

Standards

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3af (Power over Ethernet 802.3at Type 1)
- IEEE 802.3at (Power over Ethernet 802.3at Type 2)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control, full duplex mode)

General

- Media support:
 - 10Base-T Cat3, 4, 5 UTP/STP RJ45
 - 100Base-TX Cat5 UTP/STP RJ45
- Ports: 16 RJ45 10/100 Mbps
- Packet filter/forwarding rate:
 - 148,800 pps (100 Mbps)
 - 14,880 pps (10 Mbps)
- Certifications: FCC Class A, CE

LEDs

- Power
- Link/activity for 10 and 100 Mbps
- PoE

Power

- Input: 100 – 240 V AC, 50 – 60 Hz
- Power consumption: 260 watts (maximum)

Environmental

- Metal housing, 19 in., 1 u
- Dimensions: 440 (W) x 208 (L) x 44 (H) mm (17.3 x 8.2 x 1.7 in.)
- Weight: 3.77 kg (8.1 lbs.)
- Operating temperature: 0 – 40°C (32 – 104°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -20 – 90°C (-4 – 194°F)

Package Contents

- 16-Port Fast Ethernet PoE+ Switch
- 19" rackmount brackets

- Power cable
- User manual

