

8-Port Gigabit Ethernet PoE+ Web-Managed Switch with 2 SFP Ports

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

Part No.: 561167

EAN-13: 0766623561167 | UPC: 766623561167

Save installation time and money with PoE

The Intellinet Network Solutions 8-Port Gigabit Ethernet PoE+ Web-Managed 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 (all of which support 802.3at/af PoE/PoE+), 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.

Power over Ethernet 802.3at

The Intellinet Network Solutions 8-Port Gigabit Ethernet PoE+ Web-Managed 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, which eliminates the time and expense of electrical rewiring and minimizes the unsightly clutter caused by power supplies and adapters in awkward places like 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 with increased reliability and stability - Intellinet Powered Device Monitor (PDM)

This Power over Ethernet switch is equipped with Powered Device Monitoring, a self-healing PoE function. This PoE watchdog performs a PD alive check to all connected PDs and automatically resets unresponsive devices, such as PoE security surveillance cameras, by cutting off and then restoring power. The PDM

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function is especially useful in applications where connected devices are critical to network operation, such as in industrial or surveillance settings. As an added benefit, the PD Alive function helps eliminate unnecessary technical support calls and costly field trips by field-support engineers because the functional reboot can often bring the unresponsive device back online.

Web Management

This PoE switch is equipped with an impressive array of advanced management functions that allow you to be in full control over your network. The 8-Port Gigabit Ethernet PoE+ Web-Managed Switch supports VLAN, port aggregation, QoS and port mirroring, and it supports SNMP V1 and the popular V2c, just to name a few.

PoE Management

The Intellinet Network Solutions 8-Port Gigabit Ethernet PoE+ Web-Managed Switch provides extensive PoE management features. The delay-time-per-port feature reduces the power hike that usually happens at system start, and the PoE priority feature (low, medium, high) allows you to define mission-critical, high-priority ports that will continue to receive power even if the switch's power budget limit has been exceeded. Furthermore, you can define the maximum available power per port, turn PoE on and off per port and monitor the current power draw of all connected PoE devices. Finally, the Intellinet Network Solutions switch can send SNMP-traps messages to alert the administrator that the total power draw on the switch exceeds the user-defined threshold value.

Eliminate Bottlenecks with a total of 10 Gigabit Ports

Equipped with eight auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports, this switch offers plenty of performance for your computers, servers and other networking devices. In addition, two small, form-factor pluggable GBIC module slots (SFP) provide fiber connectivity for greater distances. These are not shared combo ports, but true Gigabit ports, pushing the total available bandwidth up to 20 Gbps.

* 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.

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Features:

- Provides power and data connection for up to eight PoE network devices
- Save time and money by delivering data and power via existing network cables
- Self-Healing Network - the Powered Device Monitor feature (PDM) restarts any connected PoE device that fails to respond or send out network traffic
- Domotz compatible for cloud management (may require firmware upgrade)
- For use on desktop or mounted in standard 19" rack
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- Two small form-factor pluggable GBIC module slots (SFP)
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Power output up to 30 watts per port*
- PoE power budget of 140 watts
- PoE surge protection (4 kV) for all RJ45 ports
- 20 Gbps switch fabric
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (wireless access points, VoIP phones, IP cameras, etc.)
- Green Ethernet power-saving technology deactivates unused ports and adjusts power levels based on the cable length
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- IEEE 802.3az (Energy Efficient Ethernet EEE) can be deactivated
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- All RJ45 ports with Auto-MDIX (auto uplink) support
- Configuration via Web browser, Telnet or SSH
- Remote Reboot/restart
- Supports SNMP management
- PoE Management – PoE port settings, priority and power-on delay
- IGMP Snooping for multicast filtering
- SNMP V1, V2C, V3 with RMON groups 1, 2, 3 & 9
- Supports VLAN (tag-based and port-based)

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- Supports link aggregation (trunking)
- Supports port mirroring
- QoS (Quality of Service) bandwidth management
- Broadcast storm control with multicast packet rate settings
- Store and forward switching architecture
- Supports jumbo frames up to 9 kBytes
- Supports Rapid Spanning Tree/Spanning Tree protocol
- IEEE 802.3x flow control for full duplex
- Supports 8k MAC address entries
- 512 kBytes buffer memory
- High-efficiency fan delivers quiet, reliable cooling
- Desktop-size metal case
- Includes 19" rackmount brackets
- Fully NDAA-compliant
- Three-Year Warranty

Specifications:

Standards
• IEEE 802.1d (Spanning Tree Protocol)
• IEEE 802.1p (Traffic Prioritization)
• IEEE 802.1q (VLAN Tagging)
• IEEE 802.1s (Multiple Spanning Tree Protocol)
• IEEE 802.1w (Rapid Spanning Tree Protocol)
• IEEE 802.3ad (Link Aggregation)
• IEEE 802.3 (10Base-T Ethernet)
• IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
• IEEE 802.3ad (Link Aggregation Control Protocol LACP)
• 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) (can be deactivated)
• IEEE 802.3u (100Base-TX Fast Ethernet)
• IEEE 802.3x (flow control, for full duplex mode)

General
• Ports
  - Eight 10/100/1000 Mbps RJ45 PoE-enabled ports
  - Two Gigabit SFP slots
  - One console port
• MAC address table: 8192 entries
• Buffer memory: 512 kBytes
• Backplane speed: 20 Gbps
• Switch architecture: store and forward
• Peak packet rate: 14.88 Mpps
• MTBF: 259,692 hours
• Cooling
  - One Fan

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- Noise level: 23.5 dB(A) (max.)

• Smart configuration options
- 802.1x authentication
- ACL Access Control List
- Broadcast Storm configuration with broadcast rate, multicast rate, and flooded unicast rate
- Cable diagnostic
- DHCP Relay with Option82
- IGMP Snooping via command line
- Port link speed: 10 Mbps, 100 Mbps, 1000 Mbps or auto-negotiation
- Flow control on/off per port
- LAN settings (IP address, DHCP, Gateway, etc.)
- MAC address management, learning & aging, MAC filter
- Ping utility
- Port Mirroring, one to one or many to one
- Port Aggregation/LACP: 8 groups
- Quality of Service (QoS)
- Link Layer Discovery Protocol (LLDP) - Station and Media Access Control Connectivity Discovery
- Radius server via command line
- Rate limiting (ingress rate and egress rate)
- RMON groups (statistic, history, alarm and event)
- SNMPv1/v2c/v3 (Simple Network Management Protocol)
- Spanning tree (STP, RSTP, MSTP)
- TACAS+ via command line
- Tracert utility
- VLAN

• PoE management features
- PoE on / off per port
- PoE mode support per port: AF & AT / AF only
- Maximum power per port
- PoE priority per port: Low, medium, high
- PoE alarm notification via SNMP traps
- PoE delay start configuration per port
- PoE restart time configuration per port
- PoE status monitoring

• Pinout RJ45 output ports (Data + Power)
- IEEE Alternative A
- Pin 1: Rx+ (data receive) + Vdc_return (+) (feeding power [+])
- Pin 2: Rx- (data receive) + Vdc_return (+) (feeding power [+])
- Pin 3: Tx+ (data transmit) + Vdc (feeding power [-])
- Pin 6: Tx- (data transmit) + Vdc (feeding power [-])

• Certifications: FCC Class A, CE, UKCA, NDAA

LEDs
• PoE
• Power

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• Link/activity

Power
• Input: 100.0 – 240.0 VAC, 50 – 60 Hz
• Power consumption: 163.2 watts (max.)

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: 1.6 kg (3.5 lbs.)
• Operating temperature: 0 – 45°C (32 – 113°F)
• Operating humidity: 10 – 90% RH, non-condensing
• Storage temperature: -10 – 70°C (14 – 158°F)

Package Contents
• 8-Port Gigabit Ethernet PoE+ Web-Managed Switch with 2 SFP Ports
• 19" rackmount brackets
• Power cable
• Instructions









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