



8-Port Gigabit Ethernet PoE+ Switch with 2 RJ45 Gigabit Uplink Ports

IEEE 802.3at/af Power over Ethernet (PoE+/PoE) Compliant, 120 W, Self-Healing Network, Endspan, Desktop

Part No.: **561402**

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The Intellinet Network Solutions 8-Port Gigabit Ethernet PoE+ Switch with 2 RJ45 Gigabit Uplink Ports passes both data and electrical power to a number of PoE-compatible devices via standard network cables. Equipped with eight Gigabit Ethernet ports, the switch can power wireless LAN access points and bridges, VoIP phones, IP video cameras and more while delivering network speeds of up to 1,000 Mbps. Equipped with eight auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports and two RJ45 uplink ports, Intellinet Network Solutions 8-Port Gigabit Ethernet PoE+ Switch with 2 RJ45 Gigabit Uplink Ports offers plenty of performance for your computers, servers and other networking devices.

Power over Ethernet 802.3at

This high-powered switch supports the IEEE 802.3at protocol and can inject up to 32 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 such as ceilings and walls. Any mix of PoE and non-PoE devices is supported. Thanks to its built-in short-circuit, overload and high-voltage protection functions, 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.

Self-Healing Network with increased reliability and stability - Intellinet Powered Device Monitor (PDM)

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

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This Power over Ethernet switch is equipped with Powered Device Monitoring, a self-healing PoE function. In addition to performing a PD alive check on all connected PDs, this PoE watchdog proactively resets unresponsive devices, including PoE security surveillance cameras, by turning off and then turning back on the power. The PDM capability is especially helpful in scenarios like industrial or surveillance where networks depend on connected devices for proper operation. Also, since the functional reboot frequently brings the unresponsive device back online, the PD Alive function aids in reducing needless technical support calls and expensive field excursions by field-support engineers.

* Total PoE budget for this switch is 120 watts. Per-port average power distribution is 15 watts; maximum per-port power usage cannot exceed 32 watts.

Features:

- Provides power and data connection for up to eight PoE network devices
- Two RJ45 Gigabit uplink ports
- PoE power budget of 120 watts
- Self-Healing Network - the Powered Device Monitor feature (PDM) restarts any connected PoE device that fails to respond or send out network traffic
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Power output up to 32 watts per port*
- Manual PoE extend mode (reduces network speed and extends PoE support to 250 m)
- Manual VLAN mode (allows ports 1 through 8 to be isolated from each other)
- 20 Gbps switch fabric
- 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
- Saves time and money by delivering data and power via existing network cables
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- 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
- Store and forward switching architecture

- IEEE 802.3x flow control for full duplex
- Supports up to 8192 MAC address entries, Auto-Learning and Auto-Aging
- Cooling fan for ventilation
- 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 802.3af 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)
- IEEE 802.3x (flow control for full duplex mode)

General

- Media support:
 - 10Base-T
 - 100Base-TX
 - 1000Base-T
- Packet filter/forwarding rate:
 - 1,488,000 pps (1000 Mbps)
 - 148,800 pps (100 Mbps)
 - 14,880 pps (10 Mbps)
- MAC address table: 8192 entries
- Buffer memory: 2 MB
- Backplane speed: 20 Gbps
- Switch architecture: store and forward
- MTBF: > 50,000 hours
- Cooling
 - One cooling fan
- 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
- Certifications: FCC Class A, CE, RoHS

LEDs

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- Power
- PoE
- Link/activity/speed

Power

- Input: 100 – 240 V AC, 50 – 60 Hz
- Power consumption: 120 watts (maximum)

Physical

- Metal housing
- Dimensions: 150 (L) x 220 (W) x 44 (H) [mm] / 5.91 (L) x 8.66 (W) x 1.73 (H) [in]
- Weight: 1 kg (2.2 lb.)

Environmental

- Operating temperature: 0 – 40°C (32 – 104°F)
- Storage temperature: -40 – 70°C (-40 – 158°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage Humidity: 5 – 90% non-condensing

Package Contents

- 8-Port Gigabit Ethernet PoE+ Switch with 2 RJ45 Gigabit Uplink Ports
- Power cable
- User Guide
- 19" mounting brackets
- Rubber feet

This product is part of a group; the complete list of variations follows:

- #561402 - Unmanaged 8-Port Gigabit Ethernet PoE+ Switch featuring Self-Healing Network
- #561983 - Unmanaged 16-Port Gigabit Ethernet PoE+ Switch featuring Self-Healing Network
- #561907 - Unmanaged 24-Port Gigabit Ethernet PoE+ Switch featuring Self-Healing Network



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