

24-Port Gigabit Ethernet PoE+ Switch with 2 SFP Ports

370 W PoE Power Budget, IEEE 802.3at/af (PoE+/PoE) Compliant, Two 1G SFP Open Slots, Self-Healing Network, 19" Rackmount

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Power over Ethernet Switch with 26 ports - 24 RJ45 and Two SFP, High-Power PoE+, PD Alive, VLAN and PoE Extend Mode

The Intellinet Network Solutions 24-Port Gigabit Ethernet PoE+ Switch with 2 SFP Ports passes both data and electrical power to a number of PoE-compatible devices via standard Cat5e or Cat6 network cables. Equipped with 24 Gigabit Ethernet ports, this switch can power wireless LAN access points and bridges, VoIP phones, IP video cameras and more while delivering network speeds up to 1,000 Mbps.

Power over Ethernet 802.3at

This high-powered 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 to help avoid the time and expense of electrical rewiring and minimize 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.

Eliminate Bottlenecks with 26 Gigabit Ports

Equipped with 24 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 (SFP) GBIC module slots provide fiber connectivity for greater distances. These are not shared combo-ports but true Gigabit ports, pushing the total available bandwidth up to 52 Gbps.

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

This Power over Ethernet switch has a self-healing PoE function called "Powered Device Monitoring." This PoE watchdog does a PD alive check on all connected PDs and automatically resets devices that aren't responding, like PoE security cameras, by cutting power and then turning it back on. The PDM function is especially useful in industrial or surveillance settings where devices connected to the network are important to how it works. As an added bonus, the PD Alive function helps cut down on unnecessary technical support calls and expensive field trips by field-support engineers. This is because the functional reboot can often bring the unresponsive device back online.

PoE Extend Mode ideal for IP cameras

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

Features:

- Provides up to 24 PoE network devices with power and data
- Two 1G small form-factor pluggable (SFP) module slots
- PoE power budget of 370 watts
- Self-Healing Network - the Powered Device Monitor feature (PDM) restarts any connected PoE device that fails to respond or send out network traffic
- Power output up to 30 watts per port
- Manual VLAN mode to isolate ports 1 to 24 from each other while allowing them to communicate with SFP uplink ports 25 and 26
- Manual PoE extend mode (reduces network speed and extends PoE support to 250 m/820 ft.)
- PoE extend mode, ideal for IP camera installations
- 52 Gbps switch fabric
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- Green Ethernet power-saving technology that deactivates unused ports and adjusts power levels based on the cable length
- Saves installation costs by delivering data and power over existing network cables
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (e.g., wireless access points, VoIP phones, IP cameras)

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- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- Auto-MDIX and NWay auto-negotiation support on all RJ45 ports
- Supports jumbo frames up to 9216 Bytes
- Store and forward switching architecture
- Supports 802.3x flow control for full duplex mode and collision-based backpressure for half duplex mode
- Supports 8k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 4.1 Mbits
- Grounding point to protect equipment from external electrical surges
- ESD protection up to 8 kV (air) and 6 kV (contact)
- Two high-volume cooling fans to ensure perfect ventilation
- 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 802.3az (Energy Efficient Ethernet EEE)
• 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 for full duplex mode)

General
• Media support:
  - 10Base-T Cat5e UTP/STP RJ45, 8 pin
  - 100Base-TX Cat5e UTP/STP RJ45, 8 pin
  - 1000Base-T Cat5e UTP/STP RJ45, 8 pin
• MAC address table: 8k
• Buffer memory: 4.1 Mbits
• Forwarding rate: 38.69 Mpps
• Backplane speed / switch fabric: 52 Gbps
• Switch architecture: store and forward
• Certifications: FCC, CE, RoHS, UKCA, NDAA

Modes (selectable via slide switch on front panel)
• Normal
• VLAN (Port Isolation)
• PoE 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
• Power consumption: 400.0 W (max.)

Physical
• Metal housing
• Dimensions (L x W x H): 207 x 440 x 44 mm (8.15 x 17.32 x 1.73 in.)
• Net weight: 3.37 kg (7.43 lbs.)
• Gross weight: 3.87 kg (8.53 lbs.)
• Operating temperature: 0 - 40°C (32 - 104°F)
• Storage temperature: -40 - 70°C (-4 - 194°F)
• Operating humidity: 10 - 90% RH, non-condensing
• Storage humidity: 5 - 90% RH, non-condensing

Package Contents
• 24-Port Gigabit Ethernet PoE+ Switch with 2 SFP Ports
• Power cable
• Instructions

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• 19" rackmount brackets

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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