



10-Port PoE+ Switch with 8 Fast Ethernet Ports and 2 FE Uplinks

IEEE 802.3at/af (PoE+/PoE) Compliant, 95 W PoE Power Budget, Two 10/100 RJ45 Uplink Ports, Self-Healing Network, VLAN, PoE Extend Mode, Desktop Format, Wall-mount Option

Part No.: **562102**

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10-Port Power over Ethernet Switch with VLAN and PoE Extend Mode - Unmanaged PoE Switch with Self-Healing Network Feature

The Intellinet Network Solutions 10-Port PoE+ Switch with 8 Fast Ethernet Ports and 2 FE Uplinks 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 100 Mbps.

High-Power PoE+ 802.3at

This high-powered PoE 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 slide switch on the front panel, you can manually activate a "PoE Extend Mode" that reduces network speeds 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:

- Provides up to eight PoE network devices with power and data
- Two RJ45 Fast Ethernet uplink ports
- PoE power budget of 95 watts
- Self-Healing Network - the Powered Device Monitor feature (PDM), also known as PD Alive Check, 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 8 from each other while allowing them to communicate with uplink ports 9 and 10
- Manual PoE extend mode (reduces network speed and extends PoE support to 250 m / 820 ft.)
- PoE extend mode, ideal for IP camera installations
- 10/100 auto-sensing ports that automatically detect optimal network speeds
- 2 Gbps switch fabric / switching capacity
- 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)
- 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
- 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
- Supports jumbo frames up to 1536 Bytes
- Store and forward switching architecture
- Supports 802.3x flow control for full duplex mode and collision-based backpressure for half duplex mode
- Supports 1k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 448 Kbits

- Grounding point to protect equipment from external electrical surges
- PoE surge protection up to 4 kV in common mode and 2 kV in differential mode for all RJ45 ports
- ESD protection up to 8 kV for air and 6 kV for contact
- Installation holes for wall mounting
- Rubber feet for non-slip desktop use
- LEDs for power, link/activity and PoE
- Fanless design for silent operation
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.3 (10Base-T 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
- MAC address table: 1k
- Buffer memory: 448 Kbits
- Forwarding rate: 1.488 Mpps
- MTBF: >50k hours
- Backplane speed / switch fabric: 2 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
- PoE max

Pinout RJ45 output ports

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

- Pin 3: DC (-)
- Pin 6: DC (-)

Power

- Included external power adapter:
 - Input: 100.0 - 240.0 VAC, 50 - 60 Hz
 - Output: DC, 55.0 V, 2.3 A, 126.0 W (max.)
- PoE power budget: 95.0 watts (max.)

Physical

- Metal housing
- Dimensions (L x W x H): 3.7 x 6.61 x 1.26 in. (94 x 168 x 32 mm)
- Net weight: 0.84 lbs. (380 g)
- Gross weight: 2.71 lbs. (1.23 kg)
- Operating temperature: 32 - 104°F (0 - 40°C)
- Storage temperature: -4 - 194°F (-40 - 70°C)
- Operating humidity: 10 - 90% RH, non-condensing
- Storage humidity: 5 - 90% RH, non-condensing

Package Contents

- 10-Port PoE+ Switch with 8 Fast Ethernet Ports and 2 FE Uplinks
- External power supply and power cable
- Instructions



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

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