PoE-Powered 6-Port Lite Smart Managed PoE+ Switch with 4 GbE Ports / 2 GbE Uplinks and PoE Passthrough

One IEEE 802.3bt (PoE++ / 4PPoE) PD PoE Port with up to 95 W Power Input, Four PSE PoE+ Gigabit Ports, 60 W PoE Power Budget, Self-Healing Network, Desktop Format, Wall-mount Option

Part No.: 562034

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A managed PoE passthrough switch to get the most out of each Power over Ethernet connection

The PoE-Powered 6-Port Lite Smart Managed PoE+ Switch with 4 GbE Ports / 2 GbE Uplinks and PoE Passthrough from Intellinet Network Solutions is designed to take power from a PoE switch or injector and pass both data and electrical power to a number of PoE-compatible devices via standard Cat5e or Cat6 network cables. Equipped with six Gigabit Ethernet ports, this switch can power up to four wireless LAN access points and bridges, VoIP phones or IP video cameras, draw its own power from the PoE switch it is connected to, and deliver network speeds up to 1,000 Mbps.

Usable as a PoE extender

Thanks to its PoE passthrough technology that extends a PoE connection, this versatile unit doubles the range between PoE source and device from 100 m (328 ft.) to 200 m (656 ft.). Using it this way also eliminates the time and expense of electrical rewiring, which minimizes the unsightly clutter of power cables in awkward places such as ceilings and walls while providing up to 30 W to compatible devices.

Lite and smart network management

With a simplified web interface and the most common configuration options, this switch is reduced to the essentials for a user-friendly installation.

The Perfect Workgroup Switch

When you connect the PD port (port 6) to a PoE injector or switch, this product uses some of the electric current to power itself. It then passes the available surplus power to four or fewer PoE edge devices, such as VoIP phones, allowing you to realize the full potential of each of the PSE ports in your data center.

Eliminate Bottlenecks with Gigabit Speeds

Equipped with six auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports, the switch's 12 Gbps switch fabric provides plenty of performance for your computers and other networking devices.

Wall-mount option

For full installation flexibility, you can mount the switch on the wall through its four built-in holes or use the included non-slip rubber feet to place it on a desktop.

Features:

- Provides up to four PoE network devices with power and data
- Two RJ45 Gigabit uplink ports
- 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
- Lite Smart Management, with a simplified web interface and the most common configuration options for a user-friendly installation
- Domotz compatible for cloud management
- Can be powered via PoE or the included power cable; 60 W PoE power budget through 95 W PD input or AC power
- Power output up to 30 watts per port
- Supports 802.1Q VLAN (tag-based and port-based)
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- 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
- Supports jumbo frames up to 9216 Bytes
- 12 Gbps switch fabric / switching capacity
- Supports bandwidth control per port
- Supports port mirroring
- Supports port traffic statistics, cable diagnostics and loopback

protection
- 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
- 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
- ONVIF compliant
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards
- IEEE 802.1p (Traffic Prioritization)
- IEEE 802.1q (VLAN Tagging)
- IEEE 802.3z Gigabit SX/LX
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit 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, for full-duplex mode)

General
- Ports
  - Four 10/100/1000 Mbps RJ45 PoE+ PSE output ports
  - One 10/100/1000 Mbps RJ45 uplink port that can also serve as a PoE+ PD input port
  - One 10/100/1000 Mbps RJ45 uplink port
- 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: 8.93 Mpps
- MTBF: >50k hours
- Backplane speed/switch fabric: 12 Gbps
- Switch architecture: store and forward
- PD monitor function, watch guard

- VLAN
- Port Mirroring
- Bandwidth control per port
- Broadcast Storm configuration with broadcast rate, multicast rate and flooded unicast rate
- Quality of Service (QoS)
- Certifications: FCC, CE, RoHS, UKCA, NDAA

LEDs
- PoE
- Power
- Link/Activity

Buttons
- Reset

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
- PoE power budget using AC power or PD input of 95.0 W: 60.0 watts (max.)
- Power consumption: 65.0 W (max.)

Physical
- Metal housing
- Dimensions (L x W x H): 94 x 168 x 32 mm (3.7 x 6.61 x 1.26 in.)
- Net weight: 550 g (1.21 lbs.)
- Gross weight: 840 g (1.85 lbs.)

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% RH, non-condensing

Package Contents
- PoE-Powered 6-Port Lite Smart Managed PoE+ Switch with 4 GbE PoE Ports / 2 GbE Uplinks and PoE Passthrough
- Power cable
- Instructions

Domotz compatibility note: This switch is partially compatible — it is recognized as Intellinet and can be accessed via the web GUI but does not support PoE

management from the Domotz app.