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

IEEE 802.3at/af (PoE+/PoE) Compliant, 58 W PoE Power Budget, VLAN and Flow Control Mode, Desktop, Wall-mount Option

Part No.: 562027

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Unmanaged PoE Switch with 10 ports - Eight high-power RJ45 PoE+ ports and two 10/100/1000 Mbps uplinks

The Intellinet Network Solutions 10-Port PoE+ Switch with 8 Gigabit Ethernet Ports and 2 RJ45 Gigabit Uplink Ports passes both data and electrical power to PoE-compatible devices via standard Cat5e or Cat6 network cables. Equipped with eight 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 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.

Gigabit Uplinks

This switch is equipped with two Gigabit RJ45 ports, which are ideal for connecting the switch to the network's backbone, a server or your video recording solution (NVR). The resulting PoE switch network can comfortably

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handle your power and data needs in an immediate area while providing the necessary link to a core network.

Features:

- Provides up to eight PoE network devices with power and data
- Two RJ45 Gigabit uplink ports
- PoE power budget of 58 watts
- 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 Flow Control Off mode to disable the Gigabit Ethernet switch's flow-control function
- 20 Gbps switch fabric / switching capacity
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- 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 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 4k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 1.5 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
- Fully NDAA-compliant
- Three-year warranty

Specifications:

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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: 4k
• Buffer memory: 1.5 Mbits
• Forwarding rate: 14.88 Mpps
• MTBF: >50k hours
• Backplane speed / switch fabric: 20 Gbps
• Switch architecture: store and forward
• Certifications: FCC, CE, RoHS, UKCA, NDAA

Modes (selectable via slide switch on front panel)
• Normal Mode
• VLAN Mode (Port Isolation)
• Flow Control Mode

LEDs
• Power
• Link/Activity
• PoE

Pinout RJ45 output ports
- Pin 1: DC (+)
- Pin 2: DC (+)
- Pin 3: DC (-)
- Pin 6: DC (-)

Power
• Included power adapter:
  - Input: 100.0 - 240.0 VAC, 50 - 60 Hz
  - Output: 53.5 V DC, 1.2 A, 64.2 W (max.)
  - Power consumption: 68.0 W (max.)

Physical
• Metal housing

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- Dimensions (L x W x H): 3.94 x 7.48 x 1.1 in. (100 x 190 x 28 mm)
- Net weight: 1.1 lbs. (500 g)
- Gross weight: 2.51 lbs. (1.14 kg)
- Operating temperature: 32 - 113°F (0 - 45°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 Gigabit Ethernet Ports and 2 RJ45 Gigabit Uplink Ports
- Power adapter
- Instructions

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