

Industrial 10-Port Gigabit PoE+ Switch with 8 Gigabit Ethernet Ports and 2 SFP Uplinks

IEEE 802.3at/af (PoE+/PoE) Compliant, PoE Power Budget up to 240 W, IP30-Rated Metal Housing, Redundant Power Supply, DIN-Rail Mount

Part No.: 509565

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Tough PoE Switch - Industrial 10-Port Gigabit PoE+ Switch with DIN Rail Mount - unmanaged Power over Ethernet connectivity for harsh environments

The Industrial 8-Port Gigabit Ethernet PoE+ Switch with 2 SFP Ports from Intellinet Network Solutions was designed to give you the network connections and device power you need in places that are less than calm or temperate. With a rugged IP30-rated metal case, the switch operates reliably and quietly, even in extreme temperatures that range from -20 - 65°C (-4 - 149°F). In combination with its DIN-rail mounting option and two safe, redundant DC power inputs and plenty of other safety features, this switch is ideal for IoT applications in Industry 4.0 and more.

Power over Ethernet 802.3at

Supporting the IEEE 802.3at protocol, this switch is designed to inject up to 30 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 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, also available as industrial version.

Safe protection for your expensive network equipment

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The auto-sensing technology of this PoE Switch ensures that your products are protected from power problems like short circuits (short GND), current overloads and high voltages. Port surge protection up to 6 kV and ESD protection up to 15 kV make its safety complete.

Features:

- Provides up to eight PoE network devices with power and data
- PoE power budget of 240 watts (depending on the power supply used)
- Two small form-factor pluggable (SFP) GBIC module slots for 1G uplink capability
- IP30 slim-type metal housing to withstand harsh industrial conditions
- Suitable for extreme operating temperatures of -20 to 65ºC (-4 to 149ºF)
- Power output up to 30 watts per port
- Option for DIN-rail installation
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (wireless access points, VoIP phones, IP cameras)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- Two redundant DC inputs (48 - 55 V) with I/O terminal block
- ESD protection up to 8 kV (air) and 4 kV (contact)
- Port surge protection up to 6 kV
- Grounding point to protect equipment from external electrical surges
- 20 Gbps switch fabric / switching capacity
- Auto-MDIX and NWay auto-negotiation support on all RJ45 ports
- Supports 4k MAC address entries with Auto-Learning and Auto-Aging
- Buffer memory of 1.5 Mbits
- Supports jumbo frames up to 9 kBytes
- Store and forward switching architecture
- Full/half duplex operation
- IEEE 802.3x flow control for full duplex
- LEDs for power, link/activity and PoE
- Fanless design for silent operation
- Requires additional industrial power supply (not included)
- Fully TAA-compliant
- Three-year warranty

Specifications:

Standards
• IEEE 802.3 (10Base-T Ethernet)
• IEEE 802.3ab (Twisted Pair Gigabit Ethernet)

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- IEEE 802.3af (Power over Ethernet 802.3at Type 1)
- IEEE 802.3at (Power over Ethernet 802.3at Type 2)
- IEEE 802.3i (Twisted Pair 10BASE-T Fast Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (Flow control for full-duplex mode)
- IEEE 802.3z (1000BASE-X Gigabit Ethernet)

General
- Media support:
  - 10Base-T Cat5e/6/6a UTP/STP RJ45
  - 100Base-TX Cat5e/6/6a UTP/STP RJ45
  - 1000Base-T Cat5e/6/6a UTP/STP RJ45
- Packet filter/forwarding rate:
  - 1,488,000 pps (1000 Mbps)
  - 148,800 pps (100 Mbps)
  - 14,880 pps (10 Mbps)
- MAC address table: 4k
- Buffer memory: 1.5 MBits
- Backplane speed / switching capacity: 20 Gbps
- Switch architecture: store and forward
- Certifications: FCC, CE, RoHS, REACH, UKCA, TAA
- MTBF: 1M hours

Electrical
- Via DC industrial power supply (not included), 6-pin terminal block
  - Input: 48.0 - 55.0 V, up to 5.21 A
  - PoE power budget: 240.0 W (max.)
- DC output: up to 30.0 W per RJ45 PoE port
- Power consumption
  - 250.0 W (max.)

LEDs
- Power
- Link/activity
- PoE

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

Physical
- IP30-rated metal housing
- DIN rail: In accordance with IEC/EN 60715 (top hat)
- Dimensions (L x W x H): 210 x 161 x 45 mm (8.27 x 6.34 x 1.77 in.)
- Net weight: 1.09 kg (2.4 lbs.)

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- Gross weight: 1.41 kg (3.11 lbs.)
- Operating temperature: -20 - 65°C (-4 - 149°F)
- Storage temperature: -40 - 85°C (-40 - 185°F)
- Operating humidity: 10 - 95% RH, non-condensing
- Storage humidity: 10 - 95% RH, non-condensing
- Recommended AWG for terminal block: 12-24

Package Contents

- Industrial 10-Port Gigabit PoE+ Switch with 8 Gigabit Ethernet Ports and 2 SFP Uplinks
- Instructions








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