

Industrial 4-Port Gigabit Ethernet PoE++ Switch with 2 SFP Ports

240 W PoE Power Budget,, IEEE 802.3bt (4PPoE) Compliant, Output up to 95 W per Port, IP40-Rated Metal Housing, DIN-Rail Mount

SKU: 508995 | EAN-13: 0766623508995 | UPC: 766623508995

Hardened PoE Switch - Industrial 6-Port Gigabit PoE++ Switch with DIN Rail Mount - unmanaged 802.3bt Power over Ethernet connectivity for harsh environments

The Industrial 4-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 IP40-rated metal case, the switch operates reliably and quietly, even in extreme temperatures that range from -20 - 75°C (-4 - 167°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.

Ultra-high 4PPoE output of 95 W per port paired with a large Power Budget and Gigabit Speeds

Featuring four auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports, this unmanaged switch offers plenty of performance for the devices in your network. Two small form-factor pluggable (SFP) GBIC module slots provide fiber connectivity for greater distances. The switch features a power budget of 240 W and can distribute a full 95 W (per the IEEE 802.3bt standard) to an RJ45 port while being downwards compatible with IEEE 802.3at/af. The output power rating up to 95 watts is enough for even very power-hungry PoE++ devices like motorized PTZ cameras, thin clients, point-of-sale systems, lighting controllers and digital signage applications.

Safe protection for your expensive network equipment

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 four PoE network devices with power and data
- Power over Ethernet with output up to 95 watts per port
- PoE power budget of 240 watts (depending on the power supply used)
- Two small form-factor pluggable (SFP) GBIC module slots
- IP40 slim-type metal housing to withstand harsh industrial conditions
- Suitable for extreme operating temperatures of -20 to 75ºC (-4 to 167ºF)
- Option for DIN-rail installation
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- Compatible with IEEE 802.3bt/at/af-compliant powered devices (PD) such as network cameras, wireless access points, VoIP phones and more
- Two redundant DC inputs (48 - 57 V) with I/O terminal block
- ESD protection up to 15 kV (air) and 8 kV (contact)
- Port surge protection up to 6 kV
- Grounding point to protect equipment from external electrical surges
- Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-32) and vibration (IEC 60068-2-6)
- 12 Gbps switch fabric
- Supports IEEE 802.3bt/at/af detection and short circuit, overload and high-voltage protection
- Auto-MDIX and NWay auto-negotiation support on all RJ45 ports
- Supports 2k MAC address entries with Auto-Learning and Auto-Aging
- Supports jumbo frames up to 9.2 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)

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- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards
• 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 802.3bt (PoE++/4PPoE Power over Ethernet 802.3bt Type 4)
• 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 UTP/STP RJ45, 8 pin
  - 100Base-TX Cat5e UTP/STP RJ45, 8 pin
  - 1000Base-T Cat5e UTP/STP RJ45, 8 pin
• MAC address table: 2k
• Buffer memory: 2 MBytes
• Forwarding rate: 8.93 Mpps
• Backplane speed / switch fabric: 12 Gbps
• Switch architecture: store and forward
• Certifications: FCC Class B, CE, RoHS, UKCA, NDAA

PoE Pinout
- Pin 1: DC (+)
- Pin 2: DC (+)
- Pin 3: DC (-)
- Pin 4: DC (+)
- Pin 5: DC (+)
- Pin 6: DC (-)
- Pin 7: DC (-)
- Pin 8: DC (-)

LEDs
• Power
• Link/activity
• PoE

Electrical
• DC input: 48.0 - 57.0 V DC, 5-pin terminal block
• DC output: up to 95.0 W per RJ45 PoE port
• Power consumption: 240.0 W (max.)

Physical
• IP40-rated metal housing
• DIN-rail: In accordance with IEC/EN 60715 (top hat)
• Dimensions (L x W x H): 119 x 100 x 30 mm (4.69 x 3.94 x 1.19 in.)
• Net weight: 500 g (1.1 lbs.)
• Gross weight: 650 g (1.43 lbs.)
• Operating temperature: -20 - 75°C (-4 - 167°F)
• Storage temperature: -40 - 85°C (-40 - 185°F)
• Operating humidity: 5 - 90% RH, non-condensing
• Storage humidity: 5 - 95% RH, non-condensing

Package Contents
• Industrial 4-Port Gigabit Ethernet PoE++ Switch with 2 SFP Ports
• DIN-rail mount bracket
• Instructions

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