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

IEEE 802.3at/af (PoE+/PoE) Compliant, PoE Power Budget up to 240 W, IP40-Rated Metal Housing, Endspan, DIN-Rail Mount

Part No.: 508261

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8-Port Gigabit Ethernet PoE+ Industrial Switch with 2 SFP Ports — high-power PoE+ connectivity for harsh industrial environments

The 8-Port Gigabit Ethernet PoE+ Industrial 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 its rugged, IP40-rated protective metal housing, the switch operates reliably and quietly, even in extreme temperatures that range from -40 to 167°F (-40 – 75°C). In combination with its DIN-rail mounting option and two safe redundant DC power inputs with power failure alarm and plenty of other safety features, this switch is ideal for IoT applications in Industry 4.0 and more.

Gigabit speeds paired with a large power budget

Featuring eight auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports, this unmanaged switch offers plenty of performance for the devices in your network. The switch features a PoE power budget of 240 W and can distribute a full 30 W (per the IEEE 802.3at standard) to every RJ45 port simultaneously. Also, two small form-factor pluggable GBIC module slots (SFP) provide fiber connectivity for greater distances.

Features:

- Provides power and data connections for up to eight PoE network devices

- Saves installation costs by delivering data and power over existing network cables
- IP40 slim-type metal housing to withstand harsh industrial conditions
- Wide operating temperature: -40 – 75℃ (-40 – 167°F)
- Option for DIN-rail installation
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- Two small form-factor pluggable GBIC module slots (SFP)
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports
- Power output up to 30 watts per port
- PoE power budget of 240 watts (depending on the power supply used)
- Two redundant DC inputs (45 – 57 V) with I/O terminal block
- Power failure alarm (one-way relay output, current load capacity 1A @ 24 V DC)
- 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)
- 20 Gbps switch fabric
- Supports IEEE 802.3at- and IEEE 802.3af-compliant PoE devices (wireless access points, VoIP phones, IP cameras, etc.)
- 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
- Provides IEEE 802.1x port-based security
- Supports 4k MAC address entries with Auto-Learning and Auto-Aging
- Supports jumbo frames up to 9.6 kBytes
- Store and forward switching architecture
- Full/half duplex operation
- IEEE 802.3x flow control for full duplex
- LEDs for power, link/activity, PoE and SFP
- Fanless design for silent operation
- Requires additional industrial power supply (not included)
- 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 802.3i (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:
RJ45 —
- 10Base-T: Cat3, 4, 5 UTP/STP
- 100Base-TX: Cat5 UTP/STP
- 1000Base-T: Cat5e UTP/STP
SFP —
- 1000Base-SX: 50 µm / 62.5 µm MMF (2 – 550 m)
- 1000Base-LX: 50 µm / 62.5 µm MMF (2 – 550 m) or 10 µm SMF (2 – 5,000 m)
• Packet filter/forwarding rate:
- 1,488,000 pps (1,000 Mbps)
- 148,800 pps (100 Mbps)
- 14,880 pps (10 Mbps)
• MAC address table: 4k
• Backplane speed / switch fabric: 20 Gbps
• Switch architecture: store and forward
• Certifications: FCC Class A, CE, UKCA, NDAA

LEDs
• PoE
• Power
• Link/activity
• SFP

Pinout RJ45 output ports, mode A
• Pin 1: DC (+)
• Pin 2: DC (+)
• Pin 3: DC (-)
• Pin 6: DC (-)

Power
• DC input voltage: 45 – 57 V
• Power consumption: 255 watts (maximum)

Environmental
• Metal housing
• DIN-rail: In accordance with IEC/EN 60715 (top hat)
• Dimensions: 190 (L) x 101 (W) x 35 (H) mm (7.48 [L] x 3.98 [W] x 1.38 [H] in.)
• Weight: 448 g (0.99 lbs.)
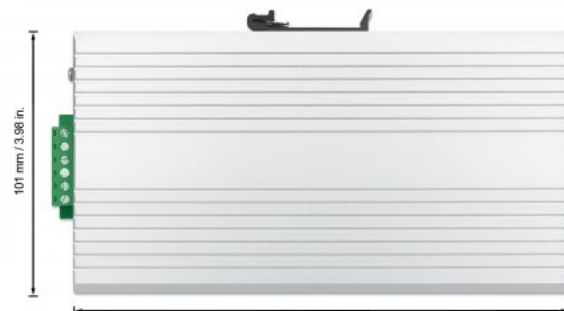• Operating temperature: -40 – 75℃ (-40 – 167°F)
• Operating humidity: 5 – 95% RH, non-condensing
• Storage temperature: -40 – 85°C (-40 – 185°F)

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

35 mm / 1.38 in.

101 mm / 3.98 in.

190 mm / 7.48 in.