Industrial 4-Port Gigabit Ethernet Switch with 2 SFP Ports

IP40-Rated Metal Housing, DIN-Rail Mount
Part No.: 508247

EAN-13: 0766623508247 | UPC: 766623508247

Gigabit Connectivity for harsh Industrial Environments

The 4-Port Gigabit Ethernet Industrial Switch with 2 SFP Ports from Intellinet Network Solutions was designed to give you the network connections you need in places that are less than calm or temperate. With its rugged, IP40-rated metal housing, it operates reliably and quietly, even under 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. 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. In addition, two small form-factor pluggable GBIC module slots (SFP) provide fiber connectivity for greater distances.

Features:

- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- IP40 slim-type metal housing to withstand harsh industrial conditions
- Wide operating temperature: -40 – 75°C (-40 – 167°F)
- Option for DIN-rail installation
- Two small form-factor pluggable GBIC module slots (SFP)
- Two redundant DC inputs (12 – 48 V) with I/O terminal block
- Power failure alarm (one-way relay output, current load capacity 1 A @ 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)
- 12 Gbps switch fabric
- 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, 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 802.3i (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:
- 893,000 pps (1,000 Mbps)
- 89,300 pps (100 Mbps)
- 8,930 pps (10 Mbps)
• MAC address table: 4k
• Backplane speed / switch fabric: 12 Gbps
• Switch architecture: store and forward
• Certifications: FCC Class A, CE, UKCA, NDAA

LEDs
• Power

- Link/activity
- SFP

Power
- DC input voltage: 12 – 48 V
- Power consumption: 4.82 watts (maximum)

Environmental
- Metal housing
- DIN-rail: In accordance with IEC/EN 60715 (top hat)
- Dimensions: 162 (L) x 101 (W) x 28 (H) mm (6.38 [L] x 3.98 [W] x 1.1 [H] in.)
- Net weight: 460 g (1.01 lbs.)
- Gross weight: 610 g (1.34 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
- 4-Port Gigabit Ethernet Industrial Switch with 2 SFP Ports
- DIN-rail mount bracket

28 mm / 1.1 in.

101 mm / 3.98 in.

162 mm / 6.38 in.