



Industrial 8-Port Gigabit Ethernet Switch

Eight 10/100/1000 Mbps RJ45 Ports, IP50-Rated Metal Housing, Redundant Power Supply, DIN-Rail Mount and Wall-Mount Option

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Industrial Ethernet Switch 8-Port - Compact and Rugged Networking for Industrial Environments

The Industrial 8-Port Gigabit Ethernet Switch from Intellinet Network Solutions delivers high-performance networking in a compact, industrial-grade form. Equipped with eight auto-sensing 10/100/1000 Mbps RJ45 ports, this switch provides reliable, high-speed connectivity for a wide range of industrial devices and applications - from automation systems to IP surveillance and remote monitoring.

Built for Harsh Operating Conditions

Designed to perform where standard networking equipment fails, this switch features a durable **IP50-rated metal housing** and operates in extreme temperatures from **-40 to 75°C (-40 to 167°F)**. It meets industrial-grade shock, vibration, and freefall standards (IEC 60068 series), making it ideal for installation in control cabinets, factory floors, and other demanding settings.

Flexible Mounting and Power Redundancy

Installation is fast and flexible, with both **DIN-rail and wall-mounting options** to fit your infrastructure. Dual redundant 9-60 V DC power inputs with I/O terminal block provide uninterrupted performance and minimize downtime in mission-critical applications. The integrated grounding point offers added protection against electrical surges. Built-in **ESD protection** (8 kV air, 4 kV contact) and **6 kV port surge protection** ensure stable operation even in electrically noisy environments.

TAA-Compliant and Ready for Deployment

This switch meets **TAA compliance requirements**, making it a reliable choice for government and institutional projects. Whether you're modernizing industrial networks or building out secure edge applications, this 8-port Gigabit switch delivers dependable performance, robust protection, and deployment flexibility in a compact, industrial-ready form.

Features:

- Offers eight Gigabit RJ45 Ethernet ports to provide data to connected devices
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- IP50 slim-type metal housing to withstand harsh industrial conditions
- Suitable for extreme operating temperatures of -40 to 75°C (-40 to 167°F)
- Option for DIN-rail installation
- Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-31) and vibration (IEC 60068-2-6)
- 32 Gbps switch fabric / switching capacity
- Two redundant DC inputs (9 - 60 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
- Auto-MDIX and NWay auto-negotiation support on all RJ45 ports
- Supports 4k MAC address entries with Auto-Learning and Auto-Aging

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

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- Buffer memory of 192 kBytes
- 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, alarm, and LAN
- Fanless design for silent operation
- Requires additional industrial power supply (not included)
- Wall-mountable for network areas with limited floor space (wall-mounting hardware not included)
- Fully TAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3x (Flow control for full-duplex mode)

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:
 - 1,488,089 pps (1000 Mbps)
 - 148,809pps (100 Mbps)
 - 14,880 pps (10 Mbps)
- MAC address table: 4k
- Buffer memory: 192 KB
- Backplane speed / switching capacity: 32 Gbps
- Switch architecture: store and forward
- Certifications: FCC, CE, RoHS, REACH, UKCA, TAA
- MTBF: 1M hours

Electrical

- Via DC industrial power supply (not included), 4-pin terminal block
 - Input: 9.0 - 60.0 V, up to 2.3 A
- Power consumption
 - 4.722 W (max.)

LEDs

- Power
- Alarm
- LAN

Terminal block Pinout

- PWR1: Pin 1 (V+) and Pin 2 (V-)
- PWR2: Pin 3 (V+) and Pin 4 (V-)

Physical

- IP50-rated metal housing
- DIN rail: In accordance with IEC/EN 60715 (top hat)
- Dimensions (L x W x H): 85 x 80 x 39 mm (3.35 x 3.15 x 1.06 in.)
- Net weight: 279 g (0.62 lbs.)
- Gross weight: 367 g (0.81 lbs.)
- Operating temperature: -40 - 75°C (-40 - 167°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: 16-26

Package Contents

- Industrial 8-Port Gigabit Ethernet Switch
- Instructions

