



## 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 5-port Gigabit switch delivers dependable performance, robust protection, and deployment flexibility in a compact, industrial-ready form.

#### Features:

- Offers eight Gigabit 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](http://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)
  - 148,809 pps (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

