



Industrial 8-Port Gigabit Ethernet Layer 2+ Web-Managed Switch with 2 SFP Ports

IP30-Rated Metal Housing, SNMP, QoS, VLAN, ACL, DIN-Rail Mount

Part No.: **508834**

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L2+ Web-Managed Industrial Ethernet Switch with Gigabit connectivity for harsh industry environments

The Industrial 8-Port Gigabit Ethernet Layer 2+ Web-Managed 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, IP30-rated metal housing, it operates reliably and quietly, even under extreme temperatures that range from -40 to 85°C (-40 to 185°F). 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 eight 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.

Advanced Management and Security Features

This switch comes with an impressive array of advanced management functions that gives you full control over your network and keeps you securely protected from ARP attacks. Among those functions are VLAN, port aggregation, QoS, port mirroring, SNMP management and Remote Monitoring (RMON). Port binding allows a specific MAC address to be bound to a port, and then only that MAC has the privilege to access the network. Thanks to 802.1X port-based access control, every user needs to be authorized first when they want to access the network. The access control list (ACL) lets you define access privilege based on IP or port number.

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

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Features:

- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- Domotz compatible for cloud management
- IP30-rated metal housing to withstand harsh industrial conditions
- Suitable for extreme operating temperatures of -40 to 85°C (-40 to 185°F)
- Option for DIN-rail installation
- Two small form-factor pluggable GBIC module slots (SFP)
- Two redundant DC inputs (44 - 57 V) with I/O terminal block
- Power failure alarm
- 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
- Auto-MDIX and NWay auto-negotiation support on all RJ45 ports
- SNMP Management and Remote Monitoring (RMON)
- Supports VLAN (tag-based and port-based)
- Supports two types of QoS: port-based and DSCP
- Provides IEEE 802.1x port-based security
- Supports link aggregation (trunking)
- Supports bandwidth control per port
- Supports port mirroring
- IGMP Snooping for multicast filtering
- Broadcast storm control with multicast packet rate settings
- Supports 8k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 4.1 Mbit
- Supports jumbo frames up to 9 kBytes
- Supports Rapid Spanning Tree/Spanning Tree Protocol
- Store and forward switching architecture
- Full/half duplex operation
- IEEE 802.3x flow control for full duplex
- Configuration via Web browser, Telnet, SSH or console port
- 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)

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- 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 Cat3/4/5 UTP/STP RJ45, 8 pin
 - 100Base-TX Cat5/5e UTP/STP RJ45, 8 pin
 - 1000Base-T Cat5e/6/6a UTP/STP RJ45, 8 pin
- Packet filter/forwarding rate:
 - 1,488,000 pps (1000 Mbps)
 - 148,800 pps (100 Mbps)
 - 14,880 pps (10 Mbps)
- MAC address table: 8k entries
- Buffer memory: 4.1 Mbit
- Backplane speed / switching capacity: 20 Gbps
- Switch architecture: store and forward
- Certifications: FCC Class A, CE, UKCA, NDAA

LEDs

- Power
- Link/activity
- SFP

Power

- Input voltage: 44.0 - 57.0 VDC
- Power consumption: 8.76 watts (max.)

Physical

- Metal housing
- DIN-rail: In accordance with IEC/EN 60715 (top hat)
- Dimensions (L x W x H): 175 x 140 x 55 mm (6.89 x 5.51 x 2.17 in.)
- Net weight: 1.07 kg (2.36 lbs.)
- Gross weight: 1.37 kg (3.02 lbs.)
- Operating temperature: -40 - 85°C (-40 - 185°F)
- Storage temperature: -40 - 85°C (-40 - 185°F)
- Operating humidity: 5 - 95% RH, non-condensing
- Storage humidity: 5 - 95% RH, non-condensing

Package Contents

- Industrial 8-Port Gigabit Ethernet Layer 2+ Web-Managed Switch with 2 SFP Ports
- DIN-rail mount bracket
- Instructions

