



10-Port Switch with 8 x 10G Ethernet Ports and 2 SFP+ Uplinks

Eight 100 Mbps/1G/2.5G/5G/10G RJ45 Ports, Two 10G SFP+ Open Slots, Unmanaged, Desktop Format, Includes Optional 19" Rackmount Brackets

Part No.: **562218**

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10Gbps Switch with 8 Ethernet Ports and 2 SFP+ Uplinks to Make Your Network Future-Proof

Experience next-gen network performance with this Multi-Gig 8-Port Ethernet Network Switch from Network Solutions, designed for professionals, enterprises, and enthusiasts who demand ultra-fast, reliable connectivity. Equipped with eight 10GBASE-T RJ45 Ethernet ports compliant with the latest IEEE 802.3an standard, it delivers blazing-fast data transfers of up to 10 Gbps, ensuring seamless operation for bandwidth-intensive applications. Whether it's video streaming, cloud computing, IoT, or VR workloads, this switch handles them with exceptional efficiency.

Scalable, Auto-Sensing Connectivity for Any Network

The switch features 100 Mbps, 1G, 2.5G, 5G, and 10G auto-sensing ports that intelligently detect and deliver the optimal speed for connected devices. Whether you're connecting legacy devices or cutting-edge hardware like 10G servers, NAS systems, or Wi-Fi 6 (IEEE 802.11ax) & Wi-Fi 7 (IEEE 802.11be) APs, this switch adapts to your network needs with full backward compatibility.

Perfect for High-Bandwidth Tasks without Bottlenecks

This 10G LAN Switch delivers the speed and reliability needed for bandwidth-hungry applications, be it seamless home entertainment, LAN parties, or even 8K video streaming. Connect your gaming rigs, media servers, or 10G PCIe adapters to experience ultra-low latency and lag-free performance, whether you're gaming with friends or streaming high-resolution content. For professionals and creators, it's the ideal backbone for high-resolution video editing over the network, large-scale data transfers like backups and file

sharing. This enables smooth collaboration for studios, creative teams, and demanding workflows.

10 Gigabit Ethernet (IEEE 802.3ae) on the SFP+ Uplinks for High-Speed Backbone Connectivity

Two 10G SFP+ uplinks serve as high-speed connections to the network backbone or core switch. This enables the 10G Ethernet switch to aggregate traffic from multiple devices and send it efficiently to higher-level switches or routers without creating bottlenecks. The two uplinks can also be configured for link aggregation (LACP – Link Aggregation Control Protocol) to combine their bandwidth. This effectively doubles the throughput to 20 Gbps (2 x 10G) for upstream connections, balancing the load and preventing traffic congestion.

Compact and Built to Last with Smart Fan

Designed for flexibility and durability, the switch comes in a compact, rugged metal housing perfect for desktop or 19" rack-mounting with the two included brackets. An adaptive, highly efficient fan adjusts its speed automatically based on the switch's chip temperature for quiet and reliable cooling.

Features:

- Eight ultra-fast 10GBASE-T RJ45 Ethernet ports, IEEE 802.3an compliant
- 100 Mbps/1/2.5/5/10 Gbps auto-sensing ports that automatically detect optimal network speeds
- Two small-form-factor pluggable SFP/SFP+ module slots for 10G uplink capability
- 200 Gbps switch fabric / switching capacity
- Future-proof high-bandwidth connection; ideal for 10G servers, NAS devices, and Wi-Fi 6/7 access points
- Backward compatible with 100/1000/2500/5000 Mbps devices
- Auto-MDIX and NWay auto-negotiation support on all RJ45 ports
- Supports jumbo frames up to 12 kBytes
- Store and forward switching architecture
- Supports 802.3x flow control for full duplex mode and collision-based backpressure for half duplex mode
- Supports 32k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 16 Mbits
- Compact desktop format with rugged metal housing
- LEDs for power and link/activity
- Smart, high-efficiency fan adjusts speed based on chip temperature for quiet and reliable cooling

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

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- Rubber feet for non-slip desktop use
- Includes 19" rackmount brackets
- Fully TAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control for full duplex mode)
- IEEE 802.3bz (2.5/5GBASE-T Ethernet)
- IEEE 802.3an (10GBASE-T Ethernet)
- IEEE 802.3ae (10 Gigabit Ethernet over fiber)

General

- Media support:
 - 100Base-TX Cat5/5e/6/6a/8 UTP/STP RJ45
 - 1000Base-T Cat5e/6/6a/8 UTP/STP RJ45
 - 2.5G/5GBase-T Cat6/6a/8 UTP/STP RJ45
 - 10GBase-T Cat6/6a/8 UTP/STP RJ45
- MAC address table: 32k
- Buffer memory: 16 Mbits
- Forwarding rate: 14.88 Mpps
- Backplane speed / switch fabric: 200 Gbps
- Switch architecture: store and forward
- Certifications: FCC, CE, RoHS, REACH, UKCA, TAA
- MTBF: 331,687 hours at 25°C (77°F)
- Smart fan operation
 - MAC/PHY IC temp. > 85 °C (185 °F): 6300 rpm
 - MAC/PHY IC temp. ≤ 85 °C (185 °F): 2000 rpm

LEDs

- Power
- Link/Act

Power

- Input: 100.0 - 240.0 VAC, 50 - 60 Hz, 1.0 A, internal power supply
- Power consumption: 49.98 W (max.)

Physical

- Metal housing
- Dimensions (L x W x H): 230 x 330 x 44 mm (9.06 x 12.99 x 1.73 in.)
- Net weight: 2.56 g (5.64 lbs.)
- Gross weight: 3.45 kg (7.61 lbs.)
- Operating temperature: 0 - 40°C (32 - 104°F)
- Storage temperature: -40 - 70°C (-4 - 194°F)

- Operating humidity: 10 - 90% RH, non-condensing
- Storage humidity: 5 - 90% RH, non-condensing

Package Contents

- 10-Port Switch with 8 x 10G Ethernet Ports and 2 SFP+ Uplinks
- Power cable
- Two 19" rackmount brackets
- Four rubber feet
- Instructions

