



## 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**

EAN-13: 0766623562218 | UPC: 766623562218

## 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](http://www.intellinet-network.com).

All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

- 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

