

Eight-port gigabit switch with two optical ports

Article Overview

8-port gigabit switches with 2 SFP ports provide flexible network expansion, PoE support, and optical uplink capabilities for high-speed connectivity.

Key Features

Port Configuration: These switches typically offer 8 Gigabit Ethernet ports for standard wired connections and 2 SFP ports for fiber optic uplinks, allowing integration with other switches or long-distance network segments (CP Plus, Eaton, Newbridge) . **PoE Support:** Many models provide Power over Ethernet (PoE) on the 8 RJ45 ports, supporting IEEE 802.3af/at standards. Individual port power can reach 30W, with total PoE budgets ranging from 120W to 150W, enabling devices like IP cameras, VoIP phones, and wireless access points to operate without separate power supplies . **Management and Security:** Layer 2 or Layer 2+ managed switches offer features such as VLAN, QoS, ACL, port mirroring, link aggregation (LACP), STP/RSTP/MSTP for loop protection, and advanced security like DHCP snooping, IP source guard, storm control, and DoS prevention . **Web-based interfaces or software** allow monitoring and configuration of connected devices. **Performance:** These switches support non-blocking wire-speed forwarding, auto-negotiation for 10/100/1000 Mbps ports, and store-and-forward switching. LEDs indicate port status, PoE activity, and system operation, simplifying monitoring . **Flexibility:** SFP ports accept user-supplied modules for fiber or copper uplinks, enabling long-distance connections beyond standard Ethernet limits. Some switches also include features like watchdog functions to automatically restart ports in case of communication faults, reducing manual maintenance .

Recommended Use Cases

- o Small to medium-sized networks requiring both copper and fiber connectivity.
- o PoE deployments for IP cameras, access points, or VoIP phones.
- o Network expansion with uplinks to other switches or data centers.
- o Managed network environments needing VLAN segmentation, traffic prioritization, and security controls.

Example Models

- o StarTech 8-Port GbE PoE+ with 2 SFP Ports - reliable performance and flexible connectivity .
- o CP Plus CP-ANW-GPM8F2-N12 - Layer 2+ managed, 8 PoE+ ports, 2 SFP uplinks, advanced security .
- o Eaton NGS8C2POE-1 - 8 PoE+ ports, 2 SFP ports, web-managed Layer 2 features, 140W PoE budget .
- o Newbridge 8-Port Smart PoE Switch - 8 RJ45 PoE ports, 2 SFP fiber ports, plug-and-play with watchdog functionality . These switches provide a balance of high-speed gigabit connectivity, PoE power delivery, and optical uplink flexibility, making them suitable for modern enterprise, SMB, or surveillance networks.



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In this guide, we've tested and reviewed the top 8-port gigabit switches to help you find the

About this item 8-PORT GIGABIT MANAGED NETWORK SWITCH: Gigabit Ethernet ports support auto-negotiable 10/100/1000

Effortless Setup with Simple Configuration Eight (8) 2.5G Multi-Gigabit Ethernet ports for faster connections and increased efficiency

Supports IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.3at and IEEE 802.3af standards. 8 ×

POWER OVER ETHERNET: Industrial 8-port Gigabit PoE+ switch with 2 SFP

Various port combinations, rate increase, installation in a concealed telecommunication box, recommended for indoor use,

A rack-mounted 8-GbE, 2-SFP PoE switch with a 120W power supply and a silent cooling system.

RG-SF2920-16GT2SFP 16-Port GE All-Optical Switch, 2 × Gigabit Uplink Optical Ports Various port combinations, rate increase,

Build a smarter wired network with our 8 port switches. Explore PoE and multi-gig options across managed

Two GbE SFP ports connect to user-supplied SFP modules (sold separately) for uplinking data to other switches via optical fiber or

An 8-port gigabit network switch is a device that allows multiple devices to connect and

Comms Express take a look at the Top 10 8 Port Network switches from Top brands including Netgear, Ubiquiti, TP

RG-NBS3300-8MG2XS-P, 8-Port Muti-Gigabit Layer 2 Managed Switch with 8 x PoE+ Ports, and 2 x

Overview This is an unmanaged industrial network switch with 8 ports 10/100/1000Base-TX RJ45 and 2 ports 100/1000Base-X SFP.

New generation of Gigabit Ethernet switch designed for high security and top performance. Features 8



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auto-negotiating RJ45 ports

Managed 8-port Layer 2 PoE+ switch with 4 SFP slots expands your Gigabit network in industrial environments, including mines,

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