

Managed Gigabit Optical Switch



AI Overview

A Managed Gigabit Optical Switch is a network switch that provides 1 Gbps Ethernet connectivity with fiber optic uplinks, advanced management features, and support for VLANs, QoS, and PoE for enterprise or industrial networks.

Key Features

- Fiber Connectivity:** Managed gigabit optical switches include SFP or SFP+ slots for fiber optic connections, enabling long-distance, high-speed links between switches or network segments (). This is ideal for connecting buildings, data centers, or high-performance network backbones.
- Port Configuration:** These switches typically offer 2 to 48 ports, combining standard RJ45 gigabit Ethernet with fiber uplinks. Some models provide PoE or PoE+ support, delivering power to devices like IP cameras, VoIP phones, and wireless access points directly through the Ethernet cable ().
- Management Capabilities:** Managed switches allow full control over network traffic. Features include VLANs (802.1Q), Quality of Service (QoS) for prioritizing critical traffic, Link Aggregation Control Protocol (LACP) for bandwidth optimization, port mirroring for monitoring, and DHCP snooping for security (). Layer 2 switches handle local traffic within a LAN, while Layer 3 switches can route traffic between VLANs or subnets without a separate router ().
- Remote and Local Management:** Many managed switches support both local configuration via web interfaces or command-line tools and remote management through cloud platforms or software-defined networking (SDN) systems. This allows centralized monitoring, configuration, and troubleshooting across multiple sites ().
- Industrial and Commercial Applications:** Managed gigabit optical switches are used in enterprise networks, industrial automation, military, and commercial sectors. They ensure reliable communication, optimize bandwidth, and protect sensitive data while supporting high-density deployments ().
- Power over Ethernet (PoE):** PoE-enabled switches can deliver up to 30W per port, supporting devices without separate power sources. Total power bud...

Article Content

S3410-48TS-P, 48-Port Gigabit Ethernet L2+ PoE+ Switch, 48 x PoE

OverviewThe S3410-48TS-P is a managed L2+ PoE+ switch designed for campus, SMB, and enterprise network environments. It features 48 x 10/100/1000BASE-T RJ45 ports that support the IEEE

DGS-1210-28 28-Port Gigabit Smart Managed Switch

The D-Link DGS-1210 Series Smart Managed Switches are the latest generation of switches to provide increased Power over Ethernet (PoE) output, a range of

Ubiquiti UniFi 48 Port 500W PoE+ Managed Gigabit Network Switch

The UniFi® Switch delivers enterprise-grade switching capacity, processing traffic on all ports at line rate without packet loss. With up to 26 Gbps throughput for 24-port models and 70 Gbps for 48-port

16-Port Managed Gigabit Ethernet Switch, Layer 2,

New generation of Gigabit Ethernet switch designed for high security and top performance. Features 16 auto-negotiating RJ45 ports and dual GbE SFP optical

Managed Din-rail Ethernet Switch 8 Ports Gigabit Network Industrial ...

Managed Din-rail Ethernet Switch 8 Ports Gigabit Network Industrial Switch With 4 Gigabit Optical Ports No reviews yet certified \$150

ECS1008P: 8 Port PoE Switch Cloud Managed 55W | EnGenius

8 Port PoE Switch: Cloud Managed Gig PoE L2 55W. Select management options based on network, permissions, technical aptitude, or even budget.

Managed Network Switches | Industrial Managed Switches

VERSITRON provides a broad selection of industrial and commercial managed internet switches with gigabit and fast Ethernet combo ports in varying port size

OFT-4212 Fiber optic 4 channels optical test station

OFT-4212 Fiber optic 4 channels optical test station OFT-4212 is a connector assembly test station, equipped with set of Light sources, four channel power meter and control unit with touch display. This

SWITCH POE INDUSTRIAL FULL MANAGED, 8XPOE GIGABIT

Switch industrial full managed cu 8 porturi Gigabit PoE si 4 porturi SFP optical Gigabit, iesire 30W per port PoE, standard PoE IEEE 802.3af/at, management retea prin web browser, CLI, Telnet, consola

KD — High-Speed Optical Connectivity Semiconductors

KD designs semiconductor ICs for multi-gigabit optical networking over fiber optics. Solutions for automotive, industrial, and consumer connectivity.

Managed Industrial DIN-Rail 8-Port Gigabit Ethernet + 4-Port Gigabit ...

This product series features an industrial DIN-rail design. The 8-Port Electrical + 4-Port Optical Managed Gigabit Redundant Ethernet Switch represents a new generation of multi-service access switches,

Managed Switch for Business

TP-Link's JetStream series Managed Switches provide robust, future-proof network solutions with high accessibility, scalability, rich management & security

IP-COM Switch 24Port Gigabit 26xGE 2xSFP PoE 410W G2228P

G2228P-24-410W 26GE+2SFP Cloud Managed PoE Switch G2228P-24-410W is a 28-port PoE switch supporting IP-COM ProFi web and app management. Compatible with 802.3af/at standards, this

Multi-Gigabit Switches

NETGEAR provides highly flexible and scalable full Multi Gigabit switches fit for every business need. Get more details about NETGEAR's Unmanaged, Smart

switch sfp+

Cloud managed PoE switch Full Gigabit 16 port 1000Mbps + 2 port Gigabit uplink + 1 SFP port PoE switch US \$83.23

Tripp Lite NGS8C2 Tripp Lite 8-Port Gigabit Ethernet Switch L2 Managed ...

The energy-efficient NGS8C2 8-Port Gigabit L2 Web-Smart Managed Network Switch features eight twisted-pair RJ45 Gigabit Ethernet ports that support auto-negotiable 10/100/1000 Mbps and auto

Bourn And Koch network switches

Discover the network switch product range of Bourn And Koch. Contact the manufacturer directly.

PLANET IGS-5225-4T2S network switch Managed L2+ Gigabit

For Harsh and Space-limited Environments PLANET IGS-5225-4T2S, the smallest, fully-managed Gigabit fiber switch for harsh environments, features 4 10/100/1000Mbps copper ports, 2 100/1000X

Global IT Products & Network Solutions Provider | Black Box

Excellence in Digital Infrastructure Innovate, Integrate, Elevate Black Box is a global leader in digital infrastructure solutions, delivering network and system integration, managed services, and

Cisco N9K-C93108TC-FX3P Nexus 93108TC-EX 48

CISCO N9K-C93108TC-FX3P Nexus 93108tc-fx3p Ethernet Switch - 48 Ports - Manageable - 10 Gigabit Ethernet, 100 Gigabit Ethernet - 10gbase-t, 100gbase-x

Fortinet FortiSwitch 248E-FPOE 48-Port Gigabit PoE+ Managed Switch

Robust Media and Switching Performance The Fortinet FortiSwitch 248E-FPOE 48-Port Gigabit PoE+ Managed Switch delivers a robust line-rate switching capacity of 104 Gbps combined with an

Dahua 16/24-Port PoE Gigabit Managed Switch

1.1 Product Introduction The 16/24-Port Gigabit Managed PoE Switch is designed and developed for field transmission application of high definition video. The product is equipped with high performance

RG-ES218GC-P, 18-Port Gigabit Smart Cloud Managed

Features RG-ES218GC-P 18-Port Gigabit Managed Switch with 16 PoE+ Ports Gigabit access PoE switch fits needs in SMB network 802.3at / 802.3af

Key Insights and Forecast for Managed Gigabit Ethernet Switches

The Managed Gigabit Ethernet Switches Market is witnessing robust growth, fueled by increasing data traffic and the growing need for reliable network infrastructure. Current market

Managed network switches | D-Link

Managed switches feature built-in support for remote setup and management. Step up your network management and take control of your network Infrastructure.

Managed Switches

Tackle complex networks with NETGEAR managed switches. Get PoE, SFP, and multi-gig support, plus cloud or local control. Shop now and power your business

32 Port POE Switch

Discover 32 port PoE switches with gigabit speeds, IEEE802.3af/at support, and CE certification. Ideal for IP cameras, network switches, and Ethernet hubs.

14 Best Managed Network Switches for Seamless

Discover the top managed network switches of 2026. Find the best overall, value, beginner-friendly options, and more in this detailed roundup.

Contact Us

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