

Gigabit network switch with optical port



Summary of Content

Gigabit PoE switches with optical (SFP) ports combine high-speed Ethernet connectivity, power delivery to devices, and fiber uplink flexibility for modern network deployments.

Overview

Gigabit PoE switches are network devices that provide 1 Gbps Ethernet connectivity while simultaneously supplying Power over Ethernet (PoE) to compatible devices such as IP cameras, wireless access points, and VoIP phones. When equipped with optical ports (SFP or fiber uplinks), these switches can connect to other switches or network segments over long distances using fiber, offering higher reliability and reduced interference compared to copper cabling .

Key Features

- **Port Configuration:** Common models include 8, 24, or 28 Gigabit RJ45 ports with PoE support, plus 1-4 SFP fiber uplink ports for optical connections .
- **PoE Standards:** Most switches support IEEE 802.3af (PoE) and 802.3at (PoE+), delivering up to 30W per port depending on the model .
- **Power Budget:** Total PoE power ranges from 62W for small switches to 400W for high-density models, allowing multiple devices to be powered simultaneously .
- **Managed vs Unmanaged:**
- **Managed switches** provide VLANs, QoS, port monitoring, and Layer 2/3 features for network control .

Article Content

IKS-G6524A Series

The IKS-G6524A Series is equipped with 24 Gigabit Ethernet ports. The IKS-G6524A's full Gigabit capability increases bandwidth to

24-Port Gigabit Ethernet L3 Stackable Fiber Switch with

The S5300-24S8T6X is a Ethernet-managed aggregation switch with 24x GE

Web Smart Switch

The Eco Fanless Gigabit Smart Switch enables you to connect to up to 18 Gigabit Ethernet, Fast Ethernet, or Ethernet devices. You

GWN7830 / GWN7831 / GWN7832 | Grandstream Networks

High-Performance Networking The GWN7830 Series includes SFP+ optical ports on all models, up to 12 ports, for up to 240Gbps

Amazon : Fiber Switches

Discover fiber switches designed for reliable network connectivity. Browse 10G, 2.5G, and gigabit options to expand your bandwidth.

An introduction to SFP ports on a Gigabit switch

Small form-factor pluggable is a hot-swappable interface used to connect network and storage switches and transfer

NETGEAR 10-Port Ultra60 10G Multi-Gigabit Ethernet Smart Switch ...

10G SFP CONNECTIVITY: Includes 2 x 10G SFP+ ports for fiber optic connections and network expansion SMART MANAGED

RG-SF2920-16GT2SFP-P 16-Port GE All-Optical PoE Switch, 2 x

The Simplified Optical Ethernet solution adopts point-to-point transmission and provides a more reliable independent optical

Unmanaged Network Switches | Unmanaged Gigabit Switches

Unmanaged Switches Unmanaged switches are basic “plug-and-play” style devices that allow a user to connect multiple Ethernet

Network Switches

Cisco network switches deliver performance, flexibility, and security. Cisco switches are scalable and cost

10 Port 2.5Gb Unmanaged Ethernet Switch with 8* 2.5G Base-T

About this item ☐☐8*2.5G Ultra-Fast Network Speed: the network switch includes 8*100/1000/2500Mbps RJ45 Ethernet ports, 2*10G

Cisco Switch Selector

These entry-level, noiseless Gigabit Ethernet switches provide enterprise-class Layer 2 switching with basic security, quality of

Hanutech Unmanaged 6 Port Fiber Switch 10/100Mbps,6 Fiber Port

Hanutech Unmanaged 6 Port Fiber Switch 10/100Mbps,6 Fiber Port 2 UTP RJ45 Fast Ethernet Ports Fiber Optical Switch with 5V 2A

Managed Network Switches | Industrial Managed Switches

Get managed network switches connect end-users, servers, and storage via flexible core, distribution, and access layers, enabling

Amazon : Fiber Optic Network Switch

8 Port 2.5Gb Switch, Pro-Level Unmanaged 2.5 Gigabit Ethernet Switch | Multi-gigabit switch with 10G SFP+ for NAS, Gaming.

Gigabit Optical Switch with 598 Gbps Capacity, 24

High-performance gigabit optical switch with 598 Gbps capacity, 24 ports, full/half-duplex support, and

Fiber Optic Ethernet Switch with 2 Fiber Ports & 8 UTP LAN Ports

What is a 2 fiber port 8 LAN port fiber optic Ethernet switch? It is a hybrid Ethernet switch that integrates two SFP fiber ports (1.25

UOTEK UT-6406GM serial 4 Electrical Ports + 2 Optical

In order to meet the different requirements of industrial applications, this series adopts a modular design,

Gigabit Ethernet Fiber Switch

The Baudcom full telecom grade gigabit ethernet fiber switch has 8 port 1000Base-X optical and 2 port

8 Port Fiber Switch 10/100/1000M RJ45 and 2-port 1000M SFP ...

This switch provides 8-port 10/100/1000M RJ45 and 2-port 1000M SFP fiber ports. Users may need to use different SFP modules,

UOTEK UT-6406GM serial 4 Electrical Ports + 2 Optical

UT-6406GM series is a high-performance, cost-effective full-gigabit managed industrial Ethernet switch. In

Shenzhen Marstars Technology Co.,Ltd

Fiber Optic Network Switches MarStars manufactures a wide range of fiber optic switches that provide links for your 10Base,

Industrial 8 Ports Gigabit Ethernet Switch Fiber Switch ...

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

Best 5-Port Gigabit Switch of 2026: Tested and Reviewed

In this guide, we've tested and reviewed the best 5-port gigabit switches to help you choose

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://benniedesignstudio.co.za>

Email: sales@benniedesignstudio.co.za

Phone: +27 82 391 4765

Address: The Towers, 1 St Georges Mall, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

