

# Does Huawei switch support Gigabit Ethernet with optical ports

## Article Overview

Yes, many Huawei switches support Gigabit Ethernet (GE) with optical SFP ports, allowing fiber connectivity at 1 Gbps.

### Optical Port Support on Huawei Switches

Huawei offers a range of switches that include Gigabit Ethernet SFP optical ports for uplinks or downlinks. For example:

- The Huawei S5731-L4 series features full GE access ports and GE SFP uplink ports, with some models providing additional gigabit optical interfaces to meet diverse networking needs .
- The Huawei S310-48P4S includes 48 x 10/100/1000BASE-T ports and 4 x SFP+ uplink ports, supporting high-bandwidth optical connections at Gigabit speeds . These switches are suitable for access and aggregation layers in campus networks, providing flexibility for fiber deployment and high-speed data transfer.

### Port Types and Flexibility

Huawei uses a naming convention to indicate port types:

- “S” indicates SFP optical ports for fiber connections.
- “T” indicates electrical RJ45 ports.
- “H” indicates hybrid uplink ports, supporting both optical and electrical interfaces...

## Article Content

Sep 12, 2025

### CloudEngine S5732-H Series Switches

CloudEngine S5732-H series switches are next-generation high-end gigabit switches that provide GE optical access ports and 40GE uplink ports. The CloudEngine S5732-H series switches are the next

Oct 12, 2025

### 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 Managed Pro & Fully Managed Switches.

Apr 19, 2026

### Know Everything About Gigabit Ethernet Switches

What are the Features of Typical Fast Gigabit Switch? A Gigabit switch helps boost network speed and usually supports speeds of 10/100/1000 Mbps for copper cables and 1000 Mbps for fiber optic cables.

Aug 25, 2025

### Huawei S5735-s48u4xe-v2: High-performance Gigabit Access Switch

The Huawei S5735-S48U4XE-V2 is a next-generation enterprise access switch designed to provide reliable, high-speed network connectivity for modern campus networks, enterprise offices, and data

Apr 17, 2026

### Huawei S5700-EI Series Switches Product Brochure

Product Overview The S5700-EI series gigabit enterprise switches (S5700-EI) are next-generation energy-saving switches developed by Huawei to meet the demand for high-bandwidth access and

Dec 01, 2025

### CloudEngine S5755-H Series High-Quality Multi-GE

CloudEngine S5755-H series high-quality multi-rate switches are Huawei's next-generation high-end access switches designed for the Wi-Fi 6/7 era. Featuring

Sep 17, 2025

### Understanding SFP Port: A Guide to Gigabit Ethernet

Overview of SFP Ports SFP ports are commonly found in switches, routers, network interface cards (NICs), and other networking equipment. They

Nov 04, 2025

Campus Switches

Huawei CloudEngine S5336-S is a series of standard gigabit access switches, and extensible to full 10GE ports through RTU license. CloudEngine S5535-S-V2 series hybrid optical-electrical switches

Mar 06, 2026

ES5D21X08S00 (8-Port 10GE SFP+ Rear Optical Interface Card)

The ES5D21X08S00 provides 10GE SFP+ optical ports to transmit and receive service data at 1 Gbit/s or 10 Gbit/s. Table 9-137 lists the attributes of a 10GE SFP+ optical port.

Jun 17, 2026

FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch model in the Hardware Description. The following figure shows the

Feb 11, 2026

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

Sep 05, 2025

Huawei CloudEngine S5735-S-V2 Series Hybrid Optical-Electrical Switches ...

CloudEngine S5735-S-V2 series hybrid optical-electrical switches are developed based on next-generation high-performing hardware and software platform. CloudEngine S5735-S-V2 switches

Jun 27, 2026

What Is an All-Optical Ethernet Switch?

This is where Huawei's all-optical Ethernet switches come in. An all-optical Ethernet switch provides both optical uplink and downlink ports, and uses optical fibers that feature high

Dec 29, 2025

## Huawei Ethernet Switches

Router-switch offers huawei CloudEngine, Campus and smb ethernet switches, provide high-availability, high-performance networking for large-scale data centers, ISPs, and enterprise IT networks.

Nov 26, 2025

### CloudEngine S5732-H Series | Huawei Enterprise

The CloudEngine S5732-H Series Hybrid Optical-Electrical Switch is a new generation of 10 GE access switch, featuring 24 optical and 24 electrical

Oct 26, 2025

### What Is an All-Optical Ethernet Switch?

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal choice for building an all-optical campus network. They can function as

Oct 16, 2025

### Optical Terminal

Huawei's MiniFTTO solution provides dual-band Wi-Fi 6, enabling ultra-gigabit all-optical wired and wireless access anywhere. It supports visualized management on a mobile app, simplifying O&M,

Nov 08, 2025

### S5730-SI Series Standard Gigabit Ethernet Switches

On an enterprise network or a campus network, the S5730-SI series switches connect to access switches through GE or 10GE ports and connect to core switches through 10GE optical ports,

Dec 07, 2025

### What is a gigabit switch?

What is a gigabit switch? A gigabit switch is a type of network switch, typically Ethernet-based, that allows devices to be connected to a LAN at speeds of 1 Gbps or higher. Gigabit Ethernet replaced

Jul 12, 2026

### CloudEngine S5731-S Series Switches

The CloudEngine S5731-S series offers a range of standard gigabit access switches, with all-GE electrical/optical ports and fixed 10 GE uplink ports. Built on Huawei's unified Versatile Routing

Mar 08, 2026

### S5720-EI Series Enhanced Gigabit Switches

The S5720-EI series enhanced Gigabit Ethernet switches are switches that provide flexible GE access ports (including optical, electrical, and combo ports) and 10GE uplink ports.

Mar 29, 2026

### Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, CFP2, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

Nov 11, 2025

### Configuring Attributes for an Optical Interface

The configuration is automatically delivered to the new member switch without manual intervention. However, the new member switch takes a longer time to start than other member

Dec 03, 2025

### CloudEngine S5755-H Series | Huawei Enterprise

CloudEngine S5755-H Series High-Quality Gigabit Switches Huawei CloudEngine S5755-H series switches are high-quality gigabit access switches that provide 24

Aug 11, 2025

### Huawei S5735-S24P4X 24×GE PoE+ 4×10GE SFP+ Switch Price

Yes, Huawei switches follow industry-standard protocols, making them compatible with other networking devices and allowing seamless integration into multi-vendor network environments.

May 16, 2026

### Huawei CloudEngine S5735-S-V2 Series Hybrid Optical-Electrical

Huawei CloudEngine S5735-S-V2 series hybrid optical-electrical switches are standard gigabit Ethernet switches that provide all GE downlink ports, DB50 ports, 10GE uplink ports and 2 stack ports.

Sep 25, 2025

### CloudEngine S5736-S Series Switches | Huawei Enterprise

CloudEngine S5736-S Series Switches are next generation standard all-optical GE switches, with 48 downlink optical ports and four 10 GE uplink ports. Based on Huawei's Versatile Routing Platform

Nov 23, 2025

Huawei 12 Port Switches

Shop for high-quality Huawei 12 port switches. Find reliable, original switches for various needs, including SFP+ and POE options. Perfect for enterprise use.

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Huawei S5731 Series Ethernet Switches Datasheet & Price

The Huawei CloudEngine S5731 series are standard gigabit access switches with all-GE electrical/optical ports and fixed 10 GE uplinks . Built on Huawei's Versatile ...

Sep 18, 2025

Popular Huawei Switches |FiberMall

HW S5720-EI Series Enhanced Gigabit Ethernet Switches. The S5720-EI series enhanced Gigabit Ethernet switches provide one expansion slot, which can expand to support:

Jun 03, 2026

Huawei Gigabit Switch Buying Guide 2024-2026

Compare Huawei gigabit switch models (S5735-L vs. S5731-S), pricing tiers (\$270-\$3,600+), PoE options, and sourcing strategies for campus and data center deployments.

May 11, 2026

Ethernet Switches

After more than 20 years of unremitting efforts and stable development, Huawei provides extensive experience in Ethernet switches. With multiple industry

## Contact Us

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