

# Huawei All-Optical Switch



## Overview

The Huawei S5736 Switch series offers all-optical gigabit access, layered intelligence, and flexible uplink speeds—positioning it as an exceptional Campus Switch and Enterprise Switch that both meets today's needs and adapts to tomorrow's growth. CloudEngine S5736-S Series Switches are next generation standard all-optical GE switches, with 48 downlink optical ports and four 10 GE uplink ports. These all-optical models offer pay-as-you-grow. CloudEngine S5735-S-V2 switches support simplified operations and maintenance (O&M), and flexible Ethernet networking. For example, it can be used as an access or. 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.



## Article Content

Feb 26, 2026

CloudEngine S5735-S-V2 Series All-Optical Switches

Huawei CloudEngine S5735-S-V2 series all-optical switches build on a next-generation high-performance hardware platform and a unified software platform

Oct 04, 2025

CloudEngine S5736-S Series Switches | Huawei Enterprise

Feature-rich with software-defined port speeds. CloudEngine S5736-S Series Switches are next generation standard all-optical GE switches, with 48 downlink optical ports and four 10 GE uplink ports.

Jan 27, 2026

CloudEngine S5736-S Series All-Optical Switches

In addition to traditional Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), and Multiple Spanning Tree Protocol (MSTP), the CloudEngine S5736-S supports Huawei-developed

Jun 21, 2026

Huawei Advances All-Optical Connectivity via New

Huawei pioneered the development of all-optical OXCs, equipment that allows to switch optical data signals at light speed, without converting it to electrical. One

Mar 20, 2026

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 transmission speed,

May 01, 2026

Huawei's Data Center All-Optical Switch Wins the Special Prize at ...

Huawei has innovatively introduced the all-optical cross-connect (OXC) technology to data center networks (DCNs) and launched the industry-leading DC optical switch — Huawei

Dec 03, 2025

CloudEngine S5736-S Series Switches | Huawei Enterprise

CloudEngine S5736-S series switches are all-optical switches that feature 48 downlink optical ports and four uplink 10 GE ports. [Learn more.](#)

Oct 30, 2025

Huawei CloudEngine S5735-S-V2 Series All-Optical Switches Brochure

With powerful aggregation and routing capabilities of CloudEngine S5735-S-V2 series all-optical switches make them suitable for use as core switches in a small-scale enterprise network.

Jan 30, 2026

Empowering Enterprise Connectivity: An In-Depth Look at the Huawei ...

Discover the details of Empowering Enterprise Connectivity: An In-Depth Look at the Huawei S5735-L48P4X-A Switch at LonRise Equipment Co. Ltd., a leading supplier in China for

Aug 19, 2025

Intelligent OptiX Network | OptiX | All-Optical Networking

Huawei's intelligent OptiX network strategy aims to build intelligent, simplified, ultra-broadband, and ubiquitous next generation all-optical networks.

Sep 12, 2025

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

Oct 08, 2025

Future All-optical Network Architecture and Key Technologies

New Solutions Future All-optical Network Architecture and Key Technologies Evolving towards the 2030 optical communications network system and architecture is a key issue facing the optical

Apr 30, 2026

Optisch-elektrischer Hybrid-Switch

Huawei CloudEngine S5732-H Series Hybrid Optical-Electrical Switch offer 2.4 Tbit/s switching capacity and long distance access for Wi-Fi 6 APs. [Learn more.](#)

Sep 25, 2025

Striding Towards the Intelligent World White Paper: All-Optical Network

Towards an Intelligent World 2023—All-Optical Network 2 1.2 Fiber-in Copper-out and Gigabit Broadband Driven by Lower Costs and Preferential Policies Fast Decrease of HP Cost Statistics

Feb 11, 2026

Huawei CloudEngine S5535-S-V2 Series Hybrid Optical-Electrical Switches ...

Huawei CloudEngine S5535-S-V2 Series Hybrid Optical-Electrical Switches Brochure  
Huawei CloudEngine S5535-S-V2 series hybrid optical-electrical switches are standard gigabit Ethernet

Jul 24, 2025

Huawei's Data Center All-Optical Switch Wins the Special Prize at ...

At Interop Tokyo 2025, the largest ICT exhibition in Japan, Huawei's DC-OXC Photon-Electronics Integration DCN in the AI Era (Data center all-optical switch - Huawei OptiXtrans DC808)

Jan 22, 2026

Huawei Proposes Building an AI-Centric All-Optical Target

Kim Jin, Vice President of Huawei Optical Business Product Line, presented the vision for building an AI-centric all-optical target network and Huawei Next Generation Optical Network

Sep 29, 2025

Huawei S5736 Switch: All-Optical Campus & Enterprise

The Huawei S5736 Switch series offers all-optical gigabit access, layered intelligence, and flexible uplink speeds—positioning it as an exceptional

Oct 10, 2025

Huawei CloudEngine S5735-S-V2 Series All-Optical

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

Jul 15, 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

Dec 01, 2025

Huawei Recognized as a Leader in the 2025 Gartner®

[Shenzhen, China, March 31, 2025] Gartner has released its 2025 Magic Quadrant for Data Center Switching, in which Huawei has been recognized

Sep 17, 2025

Huawei Ethernet Switch & Network Switches Solutions

Thunder link offers various models of Huawei Ethernet switches and network switches, including the S5720, S6720, S6730, CE6800 and CE12800, designed

## Contact Us

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