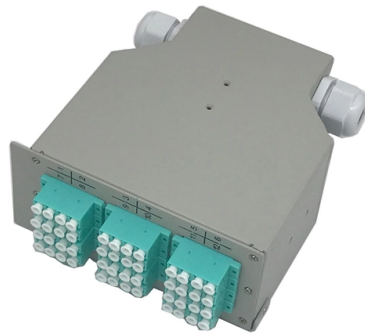


Huawei All-Optical Switch Networking Solution



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. 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 core, aggregation, and access devices on campus networks and connect to upstream and downstream devices. The OptiXstar product series extends optical connectivity to every home, enterprise, and campus, bringing families closer and making enterprise operations far more efficient. Leveraging mainstream Ethernet protocols, the Xingmai PEN solution uses optical fibers to implement passive data transmission without the need of any ELV room. In DCI scenarios, as general-purpose AI models evolve at a tremendous pace.



Article Content

Nov 19, 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

Feb 04, 2026

Huawei S3700, S5700 and S6700 Switches Support Guide, Manuals

S3700& S5700& S6700 Series: Access product manuals, HedEx documents, product images and visio stencils.

Jul 22, 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

Dec 19, 2025

Huawei All-Optical Network Overview

Huawei's all-optical network solution reshapes industries with intelligence and connects everything with fiber. It provides high-bandwidth, flexible access to

Jan 22, 2026

Huawei Proposes Building an AI-Centric All-Optical Target Network to ...

End-to-end OXC metro network to improve AI experience: The brand-new OXC solution extends all-optical switching to metro networks, reducing end-to-end network latency and building a

Mar 20, 2026

All-Optical Ethernet Switch

An all-optical Ethernet switch provides both optical uplink and downlink ports, and uses optical fibers that feature high transmission speed, large bandwidth, and strong anti-interference capability.

Dec 15, 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.

Nov 12, 2025

Newsroom

Huawei's official news feed, bringing you real first-hand information

Aug 19, 2025

Fully optical networks explained

Fully optical networks explained (June 2022) This short explainer video describes the benefits of fully-optical networks and the technologies involved: Fiber optics, AirPON, Optical Cross-Connects (OXC)... The media could not be loaded, either because the server or network failed or because the format is not supported.

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Single OptiX Solution for Enterprises

To comply with the digital transformation of enterprises, Huawei's Single OptiX solution helps build all-optical interconnection solutions oriented to the future

May 15, 2026

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

Feb 21, 2026

Optical Switches Market Size | Share Analysis Report,

The optical switches market was estimated at USD 7.6 billion in 2025 and is expected to grow at a CAGR of 12.6% between 2026 and 2035, due to

Jun 14, 2026

Data Center Network

Huawei has introduced all-optical cross-connect (OXC) to DCNs, launching cutting-edge DC Optical Switch to create a next-generation intelligent computing DCN

Feb 28, 2026

OptiX OSN 9800 OTN Platform

OptiX OSN 9800 OTN Switching Platform provides ultra-large capacity transport switching for backbone and Metropolitan Area Networks. [Learn More.](#)

Jan 16, 2026

Example for Configuring Passive Ethernet All-Optical Networking

This document describes the Passive Ethernet Network (PEN) solution, including its introduction, typical deployment scenarios, deployment guide, typical faults, and FAQs.

Jan 12, 2026

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

Dec 15, 2025

Global All-Optical Switches Market Research Report 2026

The global All-Optical Switches market was valued at US\$ 783 million in 2025 and is anticipated to reach US\$ 2334 million by 2032, at a CAGR of 17.1% from 2026 to 2032.

Jan 18, 2026

PEN Passive Aggregation Module

The Xingmai Passive Ethernet Network (PEN) is an all-optical campus network solution based on the passive technology. Leveraging mainstream Ethernet protocols, the Xingmai PEN solution uses

Aug 21, 2025

Corporate Information

Huawei's AirPON solution was commercially deployed by over 30 carriers around the world, leveraging wireless sites and optical fiber resources to make site

Oct 02, 2025

All-Optical Switching Supports Full Mesh Backbone Networks to

Huawei OXC all-optical switching solution has large-capacity switching and multi-degree optical-layer grooming capabilities, which can better meet requirements on full mesh connections on backbone

Jan 08, 2026

Huawei Launches Next Generation Optical Network

In the optical transmission domain, Huawei has released Next Generation OTN products for OTN backbone, OTN optical layer, and OTN metro

Apr 17, 2026

Top 7 Optical Networking Companies: Market Share

Compare the top optical networking vendors. Includes VMR proprietary market share data, 1.6T readiness scores, and expert analyst pros/cons for

Feb 05, 2026

Worldwide Fiber Optic Switches Market 2026

Current Trends Driving the Growth of the Worldwide Fiber Optic Switches Market The push for speed and capacity in data networks is reshaping demand for fiber optic switches. As

May 19, 2026

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

May 19, 2026

Intelligent OptiX Network | OptiX | All-Optical Networking

Huawei's FTTM solution uses F5G optical technologies to provide an energy-saving bearer network with simplified architecture, high bandwidth, low latency, high security, and high reliability.

Aug 07, 2025

Data Center Network

This calls for future-proof, energy-efficient, and highly-reliable networks. Huawei has introduced all-optical cross-connect (OXC) to DCNs, launching cutting-edge DC

Jul 19, 2025

EchoLife EG8145V5

The Huawei EchoLife EG8145V5 is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband

Contact Us

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