

Article Overview

Huawei offers several all-optical switch series, including CloudEngine S5732-H, S5735-S-V2, and S5736-S, designed for high-speed optical campus and data center networks.

Overview of Huawei All-Optical Switches

Huawei all-optical Ethernet switches provide optical uplink and downlink ports to support high-speed fiber-to-the-room access, with port rates ranging from GE, 2.5GE, 10GE, 25GE, 40GE, 100GE, to 160GE . These switches are suitable for core, aggregation, and access layers in campus networks, offering high bandwidth, low latency, and strong anti-interference capabilities. They are ideal for modern networks with growing IoT devices and high-bandwidth applications.

Key Huawei All-Optical Switch Series

1. CloudEngine S5732-H Series

- o Hybrid all-optical GE/10GE switches with 24 or 48 downlink ports and six fixed 40GE uplink ports
- o Switching capacity up to 2.4 Tbps
- o Supports up to 1024 APs, wired and wireless convergence, VXLAN, and network virtualization
- o Built-in security probes for traffic analysis and threat detection
- o Suitable for aggregation or access layers in medium to large campus networks, or core layer in small campuses

2. CloudEngine S5735-S-V2 Series

- o All-optical switches with all GE downlink ports, 10GE uplink ports, and 2 stack ports
- o Supports enhanced Layer 3 features (OSPF, IS-IS, BGP, VRRP) and mature IPv6 features
- o Can be deployed as access or aggregation switches in campus networks or as access switches in metropolitan area networks
- o Simplified operations and maintenance (O&M) with flexible Ethernet networking

3. CloudEngine S5736-S Series

- o Standard all-optical GE access switches with 24-port and 48-port models
- o Provides four 10GE ports and one optional extended slot; ports can be upgraded from GE to 10GE via RTU licenses
- o Switching capacity: 1.04 Tbps / 2.72 Tbps
- o Supports enhanced Layer 3 features, IPv6, and flexible Ethernet networking



Huawei Switch All-Optical Port Models

- o 810GE SFP+ subcard can be converted to 225GE SFP28 as required
- o Suitable for campus access or aggregation layers and metropolitan area networks

Deployment Scenarios

Huawei all-optical switches are designed for:

- o Campus networks: Fiber-to-the-room access, aggregation, and core layers
- o Data centers: High-speed uplinks and low-latency switching
- o Metropolitan area networks: Access switches with flexible Layer 2/3 features
- o Converged wired and wireless networks: Integration with APs and network virtualization for seamless user experience

These switches provide high-performance, scalable, and secure optical networking solutions suitable for modern enterprise and campus environments.

CloudEngine S5732-H-V2 series switches are next-generation enhanced all-optical GE/10GE hybrid switches that provide 28-port

Switches After more than 20 years of unremitting efforts and stable development, Huawei provides extensive experience in Ethernet

CloudEngine S5736-S series switches provide 48 downlink optical ports and four 10GE uplink optical ports. Based on the innovative

CloudEngine S5736-S series switches are next-generation standard all-optical GE access switches that provide 24-port and 48-port

Explore Huawei PoE, PoE+, PoE++ and 90 W Hi-PoE switches--multigig speed,

Overview Huawei SmartAX MA5600T is the global first OLT which integrates the functionality of aggregation switch and edge router.

Currently, Huawei campus all-optical Ethernet switches have optical ports with a wide range of rates, such as GE,

Huawei S5330-HI Series Switches Product Huawei S5330-HI gigabit ethernet switches are Huawei-developed next-generation agile

Huawei Switch All-Optical Port Models

Huawei CloudEngine S5735-L-V2 series all-optical switches build on a next-generation high-performance

Huawei S1700 series enterprise switches provide energy-saving Fast Ethernet access for small businesses

Introduction CloudEngine S5736-S series all-optical GE access switches are developed based on next-generation high-performing

The S9300E is available in three models: S9303E, S9306E, and S9312E. All S9300E models use interchangeable modules and

Huawei CloudEngine S5732-H Series Hybrid Optical-Electrical Switch offer 2.4 Tbit/s switching capacity and long distance access for

Huawei CloudEngine S5735-S-V2 series all-optical switches are standard gigabit Ethernet switches that provide all GE downlink

This document provides an overall description of the CE5800&6800&7800&8800 series switches hardware that versions earlier than

Converted interfaces go Up after the switch restarts and the configurations delivered when the split interface is in

Web: <https://www.millstraining.co.za>

