

# Huawei Layer 3 Fiber Optic Switch



## Overview

Based on Huawei's Versatile Routing Platform (VRP), CloudEngine S5736-S supports enhanced Layer 3 features, simplified Operations and Maintenance (O&M), flexible Ethernet networking, and mature Internet Protocol version 6 (IPv6) features. Huawei's comprehensive portfolio of products and solutions enables you to realize smooth digital transformation and rapid growth of virtualization, Big Data, and cloud services. Huawei switches already help customers achieve success in industries such as finance, Internet, retail, education. CloudEngine S5736-S Series Switches are next generation standard all-optical GE switches, with 48 downlink optical ports and four 10 GE uplink ports. This document describes the configuration of Ethernet services, including configuring link aggregation. The Huawei Fibre Switch doesn't just move data—it defies physics. In a world where every millisecond counts, this hardware is the unsung architect behind everything from lag-free 4K streaming to real-time stock trades. For businesses needing to switch to networks that won't buckle under. Huawei S Series Switches fully accommodate metro core, aggregation, edge aggregation, and access networking requirements, and are capable of building an integrated Metropolitan Area Network (MAN) Interconnection Solution.



## Article Content

Jul 04, 2025

Fiber Optic Cables Explained: SMF vs MMF and More

Layer 3 Switches • **Functionality:** Operate at the network layer (Layer 3). • **Data Handling:** Route data based on IP (Internet Protocol) addresses, enabling communication between different subnets.

May 09, 2026

Example for Switching an Interface to Layer 3 Mode

Example for Switching an Interface to Layer 3 Mode Networking Requirements As shown in Figure 3-15, PC1, PC2, PC3, and PC4 are on four network segments, and SwitchB, SwitchC,

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Layer 3 Switching

New devices capable of high-speed Layer 3 forwarding are required. Layer 3 switches are such devices. Switches cannot replace routers in all scenarios because routers provide rich interface types, good

Oct 27, 2025

Huawei Enterprise Sx700 Series Switch Product

The S5700-HI series are the latest gigabit Layer 3 multi-service switches developed by Huawei, with the highest processing capabilities and the most service features of all box switches in the industry.

Apr 08, 2026

Huawei Fiber Optic Switches in 2024: Beyond the CloudEngine Hype

When a Dubai data center operator discovered 37% lower latency using Huawei's "forgotten" OptiXtrans E6600 fiber switches compared to mainstream alternatives, it revealed ...

Mar 30, 2026

Huawei S5720-32X-EI-AC 24 port Layer 3 Fiber Optic Switch

Huawei's S5720-EI Series Gigabit Switches provide resilient, energy-efficient GE ports for access switching in data centers, and aggregation switching in enterprise campus networks.

Apr 03, 2026

## Huawei S3700 Series Switches Product Datasheet

Product Overview The S3700 series enterprise switches (S3700s) are next-generation energy-saving Layer 3 switches. The S3700 utilizes cutting-edge hardware and Huawei Versatile Routing Platform

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## Buy In Bulk Huawei Layer 3 Switch High Reliability & IRF2 Tech ...

Discover Huawei Layer 3 switches with POE, VLAN support, and 10/100/1000Mbps speeds. CE certified, stackable, ideal for enterprise networks.

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## CloudEngine S5736-S Series Switches | Huawei Enterprise

Based on Huawei's Versatile Routing Platform (VRP), CloudEngine S5736-S supports enhanced Layer 3 features, simplified Operations and Maintenance (O& M), flexible Ethernet networking, and mature

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## Why Is the Huawei L3 Switch Your Network's Missing Link? Can

A Layer 3 switch operates at the network layer of the OSI model, which means it handles IP routing and logical addressing. Unlike Layer 2 switches that merely forward data based ...

Oct 25, 2025

## CloudEngine S5735-L-V2 Series Switches | Huawei

These switches support multiple Layer 3 routing protocols, provide higher performance, and offer more service processing capabilities, making them ideal

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## Huawei S9300E Switch Product Brochures

Product Overview Huawei S9300E series (S9300E for short) terabit routing switches are next-generation high-end smart switches tailored for multiservice networks. The S9300E uses Huawei's intelligent

May 30, 2026

## Network Switches | Huawei Enterprise

Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for resilient services and simplified management.

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## Huawei Fibre Switch: Invisible Game-Changer? Can Lightning-Fast ...

The Huawei Fibre Switch doesn't just move data—it defies physics. In a world where every millisecond counts, this hardware is the unsung architect behind everything from lag-free 4K

Feb 28, 2026

## ODVA fiber optic connectors: 2026 Buying Guide

Deep Dive into ODVA fiber optic connectors: Architecture and Mechanics While ODVA (Open DeviceNet Vendors Association) originally defined industrial automation protocols, in the

Jun 27, 2025

## Huawei S6320-HI Series Switches Product Brochure

Huawei S6320-HI Series Switches Product Brochure Huawei S6320-HI series switches are the first-of-their-kind fixed agile switches with 10GE downlink and 40GE/100GE uplink ports. They are ideal for

Sep 14, 2025

## How to Check SFP Power in Huawei Switch? Is Your Network

If your network feels sluggish or devices mysteriously disconnect, the culprit might be smaller than you think—buried inside your Huawei switch. SFP power levels (optical transmit and receive power) are

Feb 14, 2026

## Huawei 10G SFP+ Fiber Switch Price

Scan Huawei 10G SFP+ Fiber Switch Price, buy brand new Huawei switches with various types of payment. Fast delivery in 1-3 days. Live chat are supported to help.

Jun 22, 2026

## Campus Switches

It also provides enhanced Layer 3 features and mature IPv6 features. The CloudEngine S5331-S can be used in various scenarios. For example, it can be

Aug 22, 2025

## Campus Switches

CloudEngine S5535-S-V2 Series Hybrid Optical-Electrical Switches CloudEngine S5535-S-V2 series hybrid optical-electrical switches are developed based on

Sep 25, 2025

## Optical Fiber

To connect a fiber, align the optical connector with the optical port and gently insert the optical fiber into the port. To remove a fiber, press the clip on the connector and pull the fiber out.

Jun 06, 2026

## Layer 3 Switching

Layer 3 Switching Background of Layer 3 Switches In early stage of network deployment, most local area networks (LANs) were established using Layer 2 switches, and routers completed

Jun 04, 2026

## Huawei Fiber Switch: Speed Revolution? Can Lightning-Fast

Enter the Huawei fiber switch, a device engineered to turn sluggish copper-based networks into hyperspeed highways. But here's the catch: fiber optics aren't new. So why does Huawei's take

## Contact Us

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