

Huawei 24-Port Gigabit Layer 3 Switch All Fiber Optic Ports

Article Overview

Huawei 24-Port Gigabit Layer 3 switches with all fiber optic ports provide enterprise-grade connectivity with advanced Layer 3 routing, PoE support, and high-speed uplinks for campus and data center networks.

Key Features

Port Configuration: Huawei 24-port gigabit switches, such as the CloudEngine S5735-S24P4X, offer 24 flexible 10/100/1000BASE-T downlink ports and 4 fixed 10G SFP+ uplink ports, supporting full fiber optic connectivity for high-speed data transmission . Some models also provide PoE+ support, delivering up to 380 W of power to connected devices like IP phones, cameras, or access points .

Layer 3 Capabilities: These switches are built on Huawei's Versatile Routing Platform (VRP), enabling advanced Layer 3 routing protocols, including static routing, RIP, OSPF, and BGP. This allows for efficient inter-VLAN routing, network segmentation, and scalable enterprise network design .

Performance and Reliability: High-performance hardware ensures low latency and high throughput. Features like redundant power supplies, hot-swappable components, and Link Aggregation (LAG) enhance network availability and minimize downtime . The switches also support Intelligent Stack (iStack) technology, allowing multiple switches to operate as a single logical device for simplified management .

Management and Security: Huawei switches provide simplified Operations & Maintenance (O&M), IPv6 support, and diversified security controls. Built-in security probes can detect malicious traffic and integrate with Huawei HiSec Insight for network-wide security awareness .

Environmental and Operational Specs: The switches are designed for robust operation, with forced air cooling, altitude-adjusted temperature limits, and the ability to operate in temperatures up to 50°C for limited periods . Fiber optic modules can support distances up to 10 km, depending on the module type .

Use Cases: Ideal for enterprise campus access, aggregation, and data center access, these switches support VXLAN-based virtualization and Super Virtual Fabric (SVF), enabling network virtualization and simplified deployment of multi-purpose networks .

Summary

Huawei 24-Port Gigabit Layer 3 switches with all fiber optic ports combine high-speed connectivity, Layer 3 routing, PoE support, and advanced management features. They are suitable for enterprise networks, campus environments, and data centers, offering scalability, reliability, and security for modern networking requirements .

Explore the 24-Port Gigabit Layer 3 Core Fiber Switch, equipped with 4 Ports of 10G SFP for superior



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CloudEngine S5755-S series switches are next-generation Ethernet switches developed by Huawei. They provide 24/48 x GE

Huawei Switch S5735-L24P4S-A1 (24*10/100/1000BASE-T ports, 4*GE SFP ports, PoE+, AC power).

Product Description The Huawei CloudEngine S5735-S24P4X is a high-performance Layer 3 managed

Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for

24 Port L3 Core Switch Managed Gigabit in Networking offered by China manufacturer Shenzhen HS Fiber Communication

Managed L2+ Configuring Location Settings (CLI) Basic switching RJ-45 Ethernet ports quantity: 24 Console port: RJ-45 10G

A practical, no-fluff guide to selecting a Huawei 24-port switch--covering PoE, Layer 3, SFP+, and real-world trade

24-Port L2+ Fiber Optic SFP Managed Switch helps finish central managed optical fiber connectivity conveniently and safely. A

With 24 Gigabit Ethernet ports, PoE+ support, and flexible uplinks, this managed switch streamlines enterprise, BFSI, railway, and

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal

New generation of Gigabit Ethernet switch designed for top security and performance. Features 24 auto-negotiating RJ45 PoE ports

CloudEngine S5731-S series multi-GE switches are gigabit access switches that offer multi-GE downlink ports and 10GE/40GE

CloudEngine S5736-S Series Switches are standard multi-GE access switches for the Wi-Fi 6 era,

Based on the next-generation high-performance hardware and Huawei's Versatile Routing Platform (VRP),

Huawei Technologies Co., Ltd., found in 1987, is the biggest manufacturer of industrial communication devices in China. The



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