

Huawei Data Center All-Optical Switches



Overview

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 OptiXtrans DC808 — to build a next-generation optical-electrical hybrid computing DCN for the AI era. In DCI scenarios, as general-purpose AI models evolve at a tremendous pace. The Huawei S6720S-26Q-EI-24S-AC network switch bundle represents a cornerstone for modern high-bandwidth enterprise environments, offering a robust blend of 24 10-Gigabit SFP+ ports and 2 high-performance 40-Gigabit QSFP+ uplink ports. The S6720-LI series switch includes three models with a switching capacity of 1. It allows for connections between the DC and external networks. As we all know, a DC is a centralized place for storing, managing, and processing large amounts. 1State Key Laboratory of Information Photonics and Optical Communications (IPOC), Beijing University of Posts and Telecommunications, 10 Xitucheng Rd, Bei Tai Ping Zhuang, Haidian Qu, Beijing, 100876, China 2IPI-ECO Research Institute, Eindhoven University of Technology, 5600MB Eindhoven, The. At Mobile World Congress (MWC) 2019, Huawei released details at Mobile World Congress earlier this month in Barcelona, Spain, of a new data center interconnect (DCI) offering.

Article Content

Huawei Core Switch

The Huawei core switch is a high-performance networking solution designed for enterprise data centers and large-scale networks. Engineered for reliability, scalability, and intelligent traffic management, it

Huawei debuts 600-Gbps data center interconnect platform with

The platform combines 600-Gbps optical transmission with optical cross-connect (OCX) capabilities, along with the company's Network Cloud Engine (NCE) technology.

Network Switches | Huawei Enterprise

CloudEngine data center switches — Ethernet switches widely used in diverse applications and in different network sizes, in both data centers and high-end

Huawei S6720S-26Q-EI-24S-AC: High-Density 10GbE and 40GbE

Designed to meet the rigorous demands of data center access and campus core layers, this switch ensures seamless data flow and ultra-low latency. Within the first 100 characters, it is

Optical Circuit Switch

Enable new AI architectures with the Optical Circuit Switch (OCS) The OCS optimizes data center networks by minimizing electrical switches and optical

Huawei S6720-LI Series Switch Optical Module Solutions

The S6720-LI series, a new generation of Huawei's compact all-10G box switches, is designed for use in campus networks and data center 10G access. The S6720-LI series switch

How to Choose the Right Optical Transceiver in 2025

Learn how to select the right optical transceiver for your switch or router. Compare SFP, SFP+, QSFP28, Cisco SFPs, and Huawei modules with

All-Optical DCN

An all-optical switch eliminates the need for optical modules, decreasing the total number of optical modules in the network. This reduces the fault rate caused by optical module failures in the DCN.

Data Center Interconnect Market Size, Share & Trends

The product segment dominates the data center interconnect market, as optical transport equipment, WDM platforms, and packet switching devices form the

Huawei Data Center Switch Optical Transceiver Portfolio

Huawei Data Center Switch Optical Transceiver Portfolio - Free download as PDF File (.pdf), Text File (.txt) or read online for free.

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)

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

Optical Communication Components and Systems Trends and

The **Optical Communication Components and Systems** market grows at 13.2% CAGR, driven by escalating data demand and 5G deployment. Analyze market drivers, key players, and

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

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Data Center

Support Documentation Optical Transmission OptiXtrans E9600 Series OptiXtrans E9605 Learn About Solutions Technical Guides

QSFP-DD-400G-SR4 Optical Transceiver 1. Summary

To summarize, scaling corporate networks to match modern cloud data volumes requires data center equipment that balances raw speed with operational efficiency. The Huawei QSFP-DD

All-optical switching for data centers

Your data center needs to be streamlined, automated and reliable. With all-optical (OOO) switching solutions in your data center, you will benefit by efficiently automating complex connections remotely

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

Optical Switching Data Center Networks: Understanding Techniques

In this paper, we present a review of optical switching techniques capable of meeting the requirements of the next generation of large-scale data center networks.

Huawei Unveils StarryLink Optical Modules That Deliver

Arthur Wang, President of Huawei's Data Center Network Domain, stated, "Our StarryLink optical module exemplifies our commitment to innovation,

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