

Huawei Core Switch Chips



Overview

The series includes Huawei's flagship CE12800 core switches with the world's highest performance, CE8800 first 25GE access TOR switch, CE7800 full 40GE core/aggregation switches, CE6800/CE5800 high-performance TOR switches for 10GE/GE access, and CE1800V virtual switches. 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. They provide ultra-high-density 10GE/40GE/100GE/200GE/400GE full-rate access ports, meeting customers' requirements for quickly building campus networks with a simplified. As a leader in network equipment and solutions, Huawei's Ethernet switch chips not only excel in performance and technology but also hold a significant position in market share and broad application. This article will delve into the technical features, market impact, and future development. After more than 20 years of unremitting efforts and stable development, Huawei provides extensive experience in Ethernet switches. With multiple industry-leading intellectual properties and patents, Huawei provides more than a hundred switch models in more than 10 series, including access. The industry-leading core switch ideal for campus networks. CloudEngine S12700E enables wired and wireless convergence, full-stack openness, and smooth upgrades at the core layer of high-end campus networks. As flagship core switches in Huawei's CloudCampus portfolio, this series enables you to. On a typical data center network, CloudEngine 16800, 12800, or 12800E switches work as core switches (spine), whereas CloudEngine 8800, 7800, 6800, or 5800 switches work as access switches (leaf) and connect to the core switches using 100GE, 40GE, 25GE, or 10GE ports, as shown in Figure 1-1.

Article Content

Mar 17, 2026

Huawei CloudEngine S16700 Series Flagship Core Switches Datasheet

Huawei CloudEngine S16700 series switches (S16700 for short) are next-generation modular core switches designed for high-end campus networks in the fully-wireless era.

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Why Does Your Network Need a Huawei Core Switch? Is Outdated ...

At the heart of this challenge lies the core switch—a device that either becomes the backbone of seamless operations or a bottleneck dragging down your entire infrastructure. Huawei ...

Jul 07, 2025

CloudEngine S12700H Series Switches

CloudEngine S12700H series switches are Huawei's next-generation modular core/aggregation switches designed for high-end campus networks in the all-wireless era of Wi-Fi 6/7.

Dec 25, 2025

CloudEngine Series Data Center Switches

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Huawei's Ethernet switch chips integrate the most advanced semiconductor technology and innovative design, aiming to provide users with efficient, stable, and secure network switching ...

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CloudEngine S12700E Series Switches | Huawei Enterprise

CloudEngine S12700E utilizes high performance chipset to deliver industry-leading single-slot bandwidth and 100 GE port density. Discover non-blocking switching and zero packet loss with advanced cell ...

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Network Switches | Huawei Enterprise

Huawei campus switches are ideal for building future-proof campus networks with simplified management, high reliability, and service intelligence, across industries such as enterprises, ...

Jun 21, 2026

Switches

With multiple industry-leading intellectual properties and patents, Huawei provides more than a hundred switch models in more than 10 series, including access, aggregation, and core switching.

Oct 28, 2025

Get to Know the Names of CloudEngine Series Switches and ...

This document describes the names of our data center switches and their modules and provides value description of fields to help you get to know these products.

Contact Us

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