ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Huawei Data Core Switch



Overview

The S6700 can function as an access switch in an Internet data center (IDC) or a core switch on a campus network.

Key Takeaways

Huawei Data Core Switches, particularly the CloudEngine series, are high-performance, scalable, and programmable Ethernet switches designed for modern data centers and high-end campus networks.Overview

Huawei's CloudEngine Data Center Switches are engineered to support diverse applications and network sizes, from small deployments with 500 servers to large-scale environments exceeding 50,000 servers . They provide network scaling, automation, programmability, and real-time visibility, enabling enterprises to accelerate digital transformation and service innovation . These switches are suitable for data centers, enterprise campuses, and private lines, offering simplified operations, high reliability, and secure connectivity .

Key Features
• High-Density Ports: Huawei offers ultra-high-density port options ranging from 10GE to 400GE, including 40/100/200GE uplinks, supporting rapid service evolution .

• Modular and Fixed Options: Modular switches with backplane-free Clos architecture allow flexible card configurations, while fixed switches provide high-performance access and aggregation solutions .

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

• Automation and Intelligence: Integration with iMaster NCE-Fabric, Huawei's network automation platform, enables automated operations across overlay and underlay networks and supports third-party DevOps tools via open APIs .

• Virtualization: CloudEngine switches support Virtual System (VS) technology, allowing a single switch to be virtualized into up to 16 logical switches, facilitating multi-tenant or multi-service area management .

• Energy Efficiency: Designed with multiple energy-saving technologies, these switches reduce power consumption while maintaining high performance .

• Low Latency and High Reliability: Ideal for all-flash storage data centers and high-performance computing, ensuring minimal latency and robust service continuity .

Notable Series

• CloudEngine 12800: Next-generation core switch with 178/1,032 Tbit/s switching capacity, supporting massive line-speed interfaces and virtualization for multi-tenant environments .

• CloudEngine 8800: High-performance Ethernet switches for data centers and high-end campus networks, offering flexible 1GE–400GE port configurations .

• CloudEngine 6800: Intelligent 10/25GE access switches with high uplink density (100GE/200GE), optimized for energy efficiency and simplified O&M .

• CloudEngine 5800: GE access switches supporting 10/25GE upstream transmission, suitable for smaller data center or campus deployments .

Applications

Huawei Data Core Switches are widely deployed in finance, Internet, retail, education, manufacturing, and public services, supporting cloud computing, Big Data, and virtualization initiatives . They enable software-defined networking (SDN) evolution, multi-cloud integration, and intelligent operations, making networks simpler, smarter, open, and secure . These switches are ideal for enterprises seeking high-performance, scalable, and energy-efficient solutions to meet the demands of modern data centers and high-end campus networks.

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Article Content

Data Center Switches

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

Huawei Core Switch: Network''s Beating Heart? Can Centralized

Every enterprise network has a silent dictator—the Huawei core switch. Buried in server rooms or data centers, this unassuming

Huawei CloudEngine S8800 Series: 400GE Data

Huawei''s CloudEngine S8800 Series sets a new benchmark for Data Center Core Switches,

Huawei CloudEngine S8700 Core Switches | Modular

I specialize in advanced network configurations, troubleshooting, and providing expert-level

Huawei S6700 Series Switches Product Brochure

The S6700 can function as an access switch in an Internet data center (IDC) or a core switch on a campus network. The S6700 has

Why Is the Huawei CloudEngine 12800 Core Switch a Game

The Huawei CloudEngine 12800 Core Switch isn''t just another piece of hardware—it''s the silent powerhouse driving scalability,

Huawei launched the world''s first 800GE data center core switch

During the 31st China International Information and Communication Exhibition, Huawei launched the world''s first

CloudEngine 12800 Series Data Center Core Switches

The switches support comprehensive virtualization capabilities along with data center service features. Their front-to-back airflow

CLOUDENGINE S12700E SERIES SWITCHES PRODUCT

With this technology, a physical network with core/aggregation switches, access switches, and APs can be virtualized into one logical

CloudEngine 12800 Series Data Center Core Switches

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Product Overview The CloudEngine 12800 (CE12800) series switches are next-generation, high-performance core switches

CloudEngine 12800 Series Data Center Switches

The switch uses a strict front-to-back airflow design and provides industrial-grade reliability as well as comprehensive virtualization

Huawei Switch Datasheet & Price Solution

Huawei Switch Overview Huawei Switch, for a wide variety of applications and network sizes, from cloud data centers to campus

CloudEngine S6730-H Series 10 GE Switches | Huawei

Huawei CloudEngine S6730-H series switches provide high-density 10 GE access, featuring 10 GE

Switches in a Data Center

Huawei''s guide to deploying and managing data center switches for optimized network performance and simplified management.

CloudEngine S6730-H-V2 Series 10 GE Switches | Huawei Enterprise

Huawei S6730-H V2 10G switches provide 24, 28, or 48 downlink ports plus 6 x 40 GE uplink ports, expandable to 100 GE, and one

All Products and Solutions

Directory of Huawei enterprise IT infrastructure products, solutions, and services.

Huawei Technical Support

Huawei Technical Support

CloudEngine S6730-H-V2 Series 25 GE Switches

Huawei S6730-H V2 series switches provide high-speed wireless access for enterprise campuses,

CloudEngine S12700E Series Switches | Huawei Enterprise

CloudEngine S12700E Series Switches CloudEngine S12700E enables wired and wireless convergence, full-stack openness, and

Huawei Ethernet Switches

Router-switch offers huawei CloudEngine, Campus and smb ethernet switches, provide high-availability, high-performance

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Gartner® Magic Quadrant™ | DC Switching | Huawei Enterprise

Huawei''s newly upgraded Xinghe Intelligent Fabric Solution — recognized as a Leader in the 2025 Gartner® Magic Quadrant™ for

CloudEngine S5755-H Series | Huawei Enterprise

Huawei CloudEngine S5755-H series switches are high-quality gigabit access switches that can be widely used in many industries.

CloudEngine 6800 Series Data Center Switches

CloudEngine 6800 switches boast an advanced hardware design with 10 GE/25 GE access interfaces, 40 GE/100 GE uplink

Ethernet Switches

These switches accommodate cloud data center, large metro core, aggregation, edge aggregation, and access networking

Huawei Recognized as a Leader in the 2025 Gartner ...

At MWC 2025, Huawei unveiled its StarryLink optical modules for the data center network field, which offers three

CloudEngine 8800 Series Data Center Switches

It supports an extensive range of data center features, Software-Defined Networking (SDN) capabilities, and high-performance

Data Center Switches

Huawei data center switches deliver high-performance, low-latency, and cloud-ready switching for data center networks of all sizes.

CloudEngine 8800 Series Switches | Huawei Enterprise

Huawei CloudEngine 8800 is a series of advanced, SDN-ready Ethernet switches with flexible cards, for data center and high-end

CloudEngine Data Center Storage Network Switches

CloudEngine Data Center Storage Network Switches offer high performance, high reliability, low latency, and simplified O&M for all

CloudEngine 12800 Series Data Center Core Switches

Product Overview The CloudEngine 12800 (CE12800) series switches are next-generation, high-performance core switches

CloudEngine 12800 Series Data Center Switches

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

The switch uses a strict front-to-back airflow design and provides industrial-grade reliability as well as comprehensive virtualization

Huawei Switch Datasheet & Price Solution

Huawei Switch Overview Huawei Switch, for a wide variety of applications and network sizes, from cloud data centers to campus

CloudEngine S6730-H Series 10 GE Switches | Huawei

Huawei CloudEngine S6730-H series switches provide high-density 10 GE access, featuring 10 GE

Switches in a Data Center

Huawei''s guide to deploying and managing data center switches for optimized network performance and simplified management.

CloudEngine S6730-H-V2 Series 10 GE Switches | Huawei Enterprise

Huawei S6730-H V2 10G switches provide 24, 28, or 48 downlink ports plus 6 x 40 GE uplink ports, expandable to 100 GE, and one

campus-switches

Campus Switches Huawei S Series Switches fully accommodate metro core, aggregation, edge aggregation, and access networking

CloudEngine XH16800 Series | Huawei Enterprise

CloudEngine XH16800 Series Data Center Switches Newly launched modular switches tailored for the AI era, providing ultra-high

CloudEngine S8700 Series Switches | Huawei Enterprise

Huawei CloudEngine S8700 series switches are high-end switches designed by Huawei for next-generation enterprise networks.

CloudEngine S5731-S Series Switches | Huawei Enterprise

Huawei CloudEngine S5731-S series standard gigabit access switches provide full-gigabit electrical ports and fixed 10 GE uplink

All Products and Solutions

Directory of Huawei enterprise IT infrastructure products, solutions, and services.

Huawei Technical Support

Huawei Technical Support

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

CloudEngine S6730-H-V2 Series 25 GE Switches | Huawei Enterprise

Huawei S6730-H V2 series switches provide high-speed wireless access for enterprise campuses, education institutions, and

CloudEngine S12700E Series Switches | Huawei Enterprise

CloudEngine S12700E Series Switches CloudEngine S12700E enables wired and wireless convergence, full-stack openness, and

Data Center Switches

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

Huawei Core Switch: Network''s Beating Heart? Can Centralized

Every enterprise network has a silent dictator—the Huawei core switch. Buried in server rooms or data centers, this unassuming

Huawei CloudEngine S8800 Series: 400GE Data

Huawei''s CloudEngine S8800 Series sets a new benchmark for Data Center Core Switches,

Huawei CloudEngine S8700 Core Switches | Modular

I specialize in advanced network configurations, troubleshooting, and providing expert-level

Huawei S6700 Series Switches Product Brochure

The S6700 can function as an access switch in an Internet data center (IDC) or a core switch on a campus network. The S6700 has

Why Is the Huawei CloudEngine 12800 Core Switch a Game

The Huawei CloudEngine 12800 Core Switch isn''t just another piece of hardware—it''s the silent powerhouse driving scalability,

Huawei launched the world''s first 800GE data center core switch

During the 31st China International Information and Communication Exhibition, Huawei launched the world''s first

CloudEngine 12800 Series Data Center Core Switches

The switches support comprehensive virtualization capabilities along with data center service features. Their front-to-back airflow

CLOUDENGINE S12700E SERIES SWITCHES PRODUCT

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

With this technology, a physical network with core/aggregation switches, access switches, and APs can be virtualized into one logical

Data Center Switches

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

Huawei Core Switch: Network''s Beating Heart? Can Centralized

Every enterprise network has a silent dictator—the Huawei core switch. Buried in server rooms or data centers, this unassuming

Huawei CloudEngine S8800 Series: 400GE Data

Huawei''s CloudEngine S8800 Series sets a new benchmark for Data Center Core Switches,

Huawei CloudEngine S8700 Core Switches | Modular

I specialize in advanced network configurations, troubleshooting, and providing expert-level

Huawei S6700 Series Switches Product Brochure

The S6700 can function as an access switch in an Internet data center (IDC) or a core switch on a campus network. The S6700 has

Why Is the Huawei CloudEngine 12800 Core Switch a Game

The Huawei CloudEngine 12800 Core Switch isn''t just another piece of hardware—it''s the silent powerhouse driving scalability,

Huawei launched the world''s first 800GE data center core switch

During the 31st China International Information and Communication Exhibition, Huawei launched the world''s first

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved