

Intelligent Converged Core Switch



Article Overview

An Intelligent Converged Core Switch is a high-performance, AI-enabled modular switch designed for enterprise and data center networks, offering ultra-low latency, high throughput, and multi-service convergence.

Overview

Intelligent Converged Core Switches, such as the H3C S12500G-AF series and the S12516G-AF model, are engineered for large-scale smart parks, enterprise data centers, and mission-critical environments. They integrate AI-driven traffic optimization, modular scalability, and advanced network convergence to support complex, multi-service networks including IoT, VoIP, wireless access, and cloud infrastructure .

Key Features



Article Content

VMware Telco Cloud Infrastructure Datasheet

VMware Telco Cloud Infrastructure™ is a consistent, fully integrated, modular, multi-tenant infrastructure solution powered by field

What Is a Core Switch?

A core switch is the backbone of a large-scale network, designed to handle massive volumes of traffic with ultra-low latency and

What Is Converged Infrastructure and How It Works

What is converged infrastructure? Converged architecture is the combination of computing, networking, storage, management

New Huawei Solution Introduces AI to the Telco Cloud for the Very

At the 5G-A Core Network Summit at MWC 2025 in Barcelona, Lin Wei, President of the Intelligent Telco Cloud Domain of Huawei

NE9000 Series Converged Core Router

Redundant key components with intelligent fault detection and recovery Variety of reliability-related features, including

H3C S12500G-AF Data Center Intelligent Core Switch

S12500G-AF series switches support M-LAG (DRNI) technology, which realizes cross-device link aggregation by virtualizing two

Core Switch

Core switches are defined as high-capacity switches located at the top of a cloud data center network, connecting aggregation

Intelligent Converged Core Switch S12516G-AF Private AI Algorithm ...

As a flagship model in our converged core series, it combines cutting-edge switching technology with AI-enhanced automation to

H3C S10500X-G Series Next Generation Core Switch

Powered by the H3C COMWARE 7 network operating system, the S10500X-G offers a comprehensive set of features tailored to both

Switches-H3C

Build a high-bandwidth, converged, intelligent, and trusted optical network platform. Support smooth evolution capability for the

H3C S5560X-EI Series Converged Gigabit Switches

H3C S5560X-EI is a series of intelligent scalable GE switches with outstanding performance, high port density, and ease of

Campus LAN Core and Distribution Switches

Cisco Catalyst and Meraki Campus LAN core and distribution switches are scalable, secure network switches with exceptional

H3C S12500G-AF intelligent converged core switch

H3C S12500G-AF is a new generation of AI intelligent switch introduced by Xinhua 3 Technology Co., Ltd. (hereinafter referred to as

Quantum InfiniBand Switches for AI and HPC Networks | NVIDIA

High-throughput InfiniBand switches and fabric management appliances for AI and HPC, featuring in-network computing, adaptive

H3C S12500G-AF intelligent converged core switch

H3C S12500G-AF intelligent converged core switch H3C S12500G-AF is a new generation of AI intelligent switch introduced by

CloudEngine Series Data Center Switches

Huawei CloudEngine series switches are high-performance cloud switches designed for next-generation data centers and high-end

Quantum InfiniBand Switches for AI and HPC Networks | NVIDIA

NVIDIA CPO switches deliver 5x better power efficiency, 10x higher resiliency, and 1.3x faster deployment than traditional

Intelligent & Simplified 5G Core Network

Intelligent and Simplified O& M Automation and intelligence are the basis of simplified O& M on the 5G core network. Huawei's

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