Huawei S12708 Core Switch Parameters



Overview

S7700&S8700&S9700&S12700&S16700 Series S12708: Access product manuals, HedEx documents, product images and visio stencils.

Key Takeaways

The Huawei S12708 is a high-performance, modular core switch with up to 8 line processing units (LPUs), 4 switch fabric units (SFUs), and support for extensive L2/L3 services, SDN, and high-availability clustering.

Hardware Overview

The S12708 is part of the Huawei S12700 series and is designed for next-generation campus and core networks. It features a modular chassis supporting up to 8 LPUs and 4 SFUs, providing high scalability and redundancy. The chassis supports installation in N66E or N68E cabinets, with a maximum voltage range of 90–290 V AC and frequency of 47–63 Hz.

The switch uses a Huawei Ethernet Network Processor (ENP) for high-speed packet processing.

Port and Line Card Options10 G



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E ports: Up to 384 ports per chassis40 GE ports: Up to 64 ports per chassis100 GE ports: Up to 16 ports per chassisGE optical and electrical ports: Multiple line cards provide 8, 24, or 48 ports with line-speed switching and distributed data plane support Hot-swappable modules: LPUs, SFUs, power modules, and fan trays support hot swap for minimal downtime Switch Fabric and ClusteringCSS2 (Cluster Switch System Generation 2): Hardware clustering technology allowing 1+N backup of MPUs, ensuring high availability Backplane interface module: Provides management channels for power, fan modules, and communication between active and standby cards Software and Network ServicesHuawei Versatile Routing Platform (VRP): Provides high-performance L2/L3 switching, MPLS VPN, IPv6, desktop cloud, and video conferencing services Software-Defined Networking (SDN) support: Fully programmable architecture allows custom forwarding behaviors and rapid service deployment Native Wireless Access Controller (AC): Enables wired and wireless network convergence Unified User Management: Refined user and service management with Packet Conservation Algorithm (iPCA) for hop-by-hop service monitoring Reliability and Traffic ManagementNon-stop forwarding (NSF) and hardware Ethernet OAM/BFD for high availabilityRing network protection for resilient topologyTraffic scheduling: Supports Priority Queuing (PQ), Weighted Round Robin (WRR), Deficit Round Robin (DRR), and PQ+WRR for efficient traffic management Summary of Key SpecificationsFeatureS12708LPUs8SFUs4Max 10 GE ports384Max 40 GE ports64Max 100 GE ports16Power supply90–290 V AC, 47–63 HzClusteringCSS2, 1+N MPU backupSDN supportYes, fully programmableWireless ACNative supportReliabilityNSF, Eth-OAM, BFD, ring protectionThe Huawei S12708 is a highly scalable, programmable, and resilient core switch suitable for large enterprise and campus networks, offering extensive L2/L3 services, SDN readiness, and advanced high-availability features to ensure continuous network operation.

Article Content

Huawei S12708 V200R021C10 Switches Support Guide, Manuals

S12708 V200R021C10: Access product manuals, HedEx documents, product images and visio stencils.

Huawei S7700, S8700, S9700, S12700 and S16700 Switches Support

S7700&S8700&S9700&S12700&S16700 Series S12708: Access product manuals, HedEx documents, product images and visio stencils.

Huawei S12708 Switch Best Price At Authorized Partner

Huawei S12708 switch Bundle include 2 MPU slots, 2 CMU slots, 8 LPU slots, 4 SFU slots, 6 Power Module slots, 4 Fan Module slots, 2200W DC/AC supported.

S12700 Series Agile Switches Product Characteristics

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With this technology, a physical network with core/aggregation switches, access switches, and APs can be virtualized into one logical switch, offering the simplest network management solution.

Huawei S12708 manual datasheet brochure ET1Z08SNCA02 S12700

S12708 Series Agile Switches. 1. Built-in Ethernet Network Processor (ENP) 2. Software-Defined Networking (SDN) supported. 3. Native Access Controller (AC) 4. Innovative Cluster Switch System

S12700 SERIES AGILE SWITCHES PRODUCT DESCRIPTION

With this technology, a physical network with core/aggregation switches, access switches, and APs can be virtualized into one logical switch, offering the simplest network management solution.

Huawei S12700 Series Switches Product Datasheet

It is a core switch that provides 4 Tbit/s AC capabilities, avoiding the performance bottleneck on independent AC devices. The native AC capabilities help organizations better cope with challenges

S12708 Switch S12708 price and specs S12700 Agile Switch ycict

S12708 Switch is designed for next-generation campus networks, which uses a fully programmable architecture to meet fast-changing service needs. Huawei S12708 Switch allows new services to be

Huawei S12700 Series Switches Product Brochure

Huawei S12700 Series Switches Product Brochure S12700 Series Agile Switches HUAWEI S12700 series agile switches are designed for next-generation campus networks. Using a fully programmable

S12700 SERIES AGILE SWITCHES PRODUCT DESCRIPTION

Huawei S12700 series agile switches are core switches designed for next- generation campus networks. Using a fully programmable switching architecture, the S12700 series switches allow for fast, flexible

100G SWITCH Core Switch S12708 Managed Network Switch of

The Huawei S12708 100G Core Switch is a high-performance managed network switch designed for enterprise-level scalability and reliability. Built with a modular architecture and robust metal

S12700 Series Agile Switches

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S12700 Series Agile Switches Huawei S12700 series switches are core switches designed for next-generation high-quality campus networks. These purpose-built switches help create a campus

S12700 Series for Agile Switches S12708 switch

S12700 series agile core switches are designed for next-generation campus networks. The S12700 series uses a fully programmable architecture to meet fast-changing service needs, and allow new

Huawei S7700, S8700, S9700, S12700 and S16700 Switches Tools-Huawei

S7700&S8700&S9700&S12700&S16700 Series S12708: Access query tool, online tool, and tool download.

Huawei S12708 Knowledge Base & FAQ

S7700&S8700&S9700&S12700&S16700 Series Switches: Access product troubleshooting, FAQ, issues, and solutions.

EOM Announcement for HUAWEI S12708,S12712,S12704 Product

EOM Announcement for HUAWEI S12708,S12712,S12704 Product No.: EOM-DC-2021-10391-Global Dear Customers, To help you better cope with challenges brought by market changes

Huawei S7700, S8700, S9700, S12700 and S16700 Firmware

S7700&S8700&S9700&S12700&S16700 Series S12708: Access the latest firmware, download and update.

Huawei S7700, S8700, S9700, S12700 and S16700 Switches Bulletins-Huawei

Support Switches Campus Switch S7700&S8700&S9700&S12700&S16700 Series S12708 S12708 All Documents Downloadable Product Documentation Package What''s New Documentation Bookshelf

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

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