

Huawei Server Racks for Big Data Centers



Overview

Huawei offers a diverse range of rack systems designed for various networking, data transmission, and data center applications. These racks are engineered to support high-performance hardware, ensure network reliability, and optimize space utilization in enterprise and. All intelligence: From single-stack, reactive defense to multi-layer, proactive protection, and from data-level reliability to service-level, end-to-end high reliability across all scenarios. Ultimate efficiency: From single-product performance improvement to synergized software-hardware. Check out Huawei's next-generation FusionServer V3 and versatile Tecal V2 servers to meet capacity and performance requirements now and in the future. The N2000 V3/N2000H V3 NAS Storage System leverages a large-capacity, highly reliable, and easy-to-deploy rack storage platform and supports up to. Huawei's FusionServer series includes a wide range of rack servers—from high-density AI platforms to general-purpose compute and storage nodes—designed for cloud computing, virtualization, big data, databases, and AI training and inference scenarios huawei. FusionServer G5500 V6 is a 4U dual-socket. CloudDC provides different iRack specifications for different service scenarios. Was this page helpful?

Thank you very much for your feedback. Models like the RH2288H V3 or Pro 2288H V6 support dual Intel Xeon Scalable processors, up to 2TB RAM, PCIe Gen4 expansion, and optional GPU acceleration 2.



Article Content

Hot

Data Center 2030

Data Center 2030 New data centers that are diverse, ubiquitous, secure, and smart, and support zero carbon, energy saving, flexible resources, peer-to-peer, and

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Huawei Enterprise Servers

Router-switch provides a broad range of high-performance Huawei blade servers and rack servers with Intel® Xeon® processor for data centers and campus networks.

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Purchasing an Intelligent Rack_Cloud Data Center-Huawei Cloud

If you want to deploy your own server hardware in Huawei Cloud equipment rooms, you need to purchase intelligent racks on the management console. This section uses the separate order

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Version 2024 Data Center 2030

In September 2021, Huawei published the Intelligent World 2030 report, alongside a series of reports on different focus domains. Data Center 2030 is the latest report in this series. It's a collection of

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Huawei Rack Servers

Shop our selection of Huawei rack servers, featuring advanced Intel CPUs, DDR4 memory, and reliable storage solutions. Perfect for enterprise and data center needs.

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Smart modular data centers

Huawei FusionModule2000 is the latest smart modular data center solution where power modules, cooling, racks, cabling, and the management system are

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All Products and Solutions

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

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Data Center Facility & Power Solutions | Huawei Digital

Explore a modern data center facility with an integrated data center power solution that improves infrastructure efficiency, reliability, and scalable growth.

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FusionModule2000 Smart Modular Data Center Product Description

An IT cabinet complies with the International Electrotechnical Commission (IEC) 60297-1 standard and provides stable installation space for servers in the smart module, thereby ensuring safe operation of

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Fusion-Server-Pro

Huawei Computing Product Line unveils the next-gen FusionServer Pro 2298 V5, a 2U 2-socket storage rack server that provides up to 450 TB

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Purchasing an Intelligent Rack_Cloud Data Center-Huawei Cloud

Scenarios To get a highly reliable data center runtime environment quickly and eliminate the need for long-term investments in traditional data center site selection, infrastructure

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Carrier Data Center Solution | Huawei Digital Power

Huawei delivers carrier data center solutions with scalable infrastructure to enhance network performance, reliability, and seamless connectivity for service providers.

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Buy Huawei Rack Servers – G5500, 5885H, 5288H,

Explore our full range of Huawei rack servers, including G5500 V5/V6, 5885H V5, 5288H V5/V6, 2488H V5/V6, 2288H V5/V6, and 1288H V5/V6. Powerful

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Huawei launches its first Rack Scale Design servers

Chinese infrastructure giant Huawei has launched two product families based on Rack Scale Design –a relatively new server architecture developed by

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Huawei AI Data Center Reference Design

UPS5000-H is Huawei's medium and large-scale uninterruptible power supply system with advanced 100kVA/3U hot swappable power modules. The system achieves 1 MW, 1 rack, effectively saves

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FusionModule2000 Smart Modular Data Center

Huawei FusionModule2000 is a modular data center solution with smart modules, integrating power, cooling, and energy management to support efficient data

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OceanStor Data Storage

Huawei's data storage systems offer high-capacity, low-latency, active-active data duplication, and converged storage for cloud computing.

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Huawei Server Guide: How to Choose the Right One

A practical, no-fluff guide comparing Huawei's physical rack servers, cloud ECS/BMS, and OceanStor storage — with decision criteria, real-world trade-offs, and cost-aware recommendations.

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Why Full-Stack Data Centers Have Arrived at the Right

Our full-stack data center solution reshapes computing and storage, networks, disaster recovery, and green technology in a way that can drive enterprise digital

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What Is Hyperscale Data Center? Features & Benefits

Key Features of Hyperscale Data Centers Huge Scale: Covering tens of thousands to hundreds of thousands of square meters and housing thousands to tens of

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Huawei's Prefabricated Modular Data Center Solution

According to the report, Huawei's prefabricated modular data center solution ranked first in terms of global market share in 2023, its 10th year in a row

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Next-Generation Data Centers: Evolution Direction

This article explores next-generation data center evolution from a full-lifecycle view, with Huawei GSSR shedding light on core power supply and future

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Data Center Portfolio Solution | Huawei Enterprise

Huawei has launched a series of data center portfolio and individual solutions to underpin the construction of new data centers. These offerings aim to

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Prefabricated Modular Data Center | Huawei Digital Power

Huawei delivers prefabricated modular data center solutions with One Module One DC and container data center designs, enabling fast deployment and scalable

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Huawei IDS2000 Modular Data Center Solution

IDS2000L series modular data center—Low density solution IDS2000L series low density modular data center solution, is adopting cold aisle / hot aisle containment, flexible deployment by single row or

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iRack_Instance Specifications_Service Overview_Cloud Data Center

CloudDC provides different iRack specifications for different service scenarios.

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High Density Internet Data Center & IDC Solutions

Discover our Internet Data Center services, featuring high-density data centers built for efficiency, scalability, and performance to support modern digital infrastructure.

Aug 07, 2025

Contact Us

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