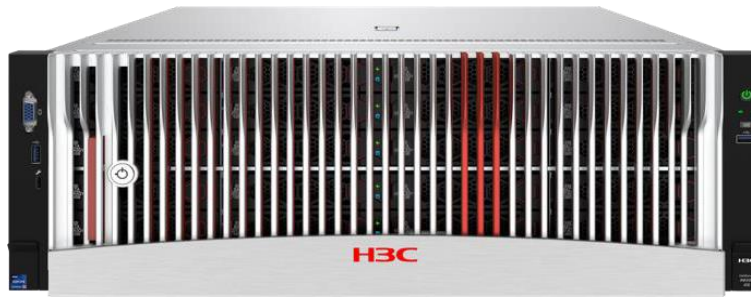




H3C UniServer R4300 G7 Server

Storage-Optimized Dual Rack Servers for Data-Intensive Scenarios



Leading storage capacity

- Up to 56* drives
- Up to 18* NVMe drives
- Brand new Mezz form RAID controller

Excellent computing performance

- 2 × 6th Gen Intel® Xeon® Scalable processors
- Up to 8000MT/s for memory speed
- Enterprise-class AI accelerator card

High-efficiency, low-carbon energy conservation

- Intelligent drive sleep
- AI control of fan speed
- Power mode dynamic adjustment

Product Overview

The rapid development of AI technology has continuously accelerated the digital transformation of enterprises, further leading to an explosive growth in enterprise data volumes. Modern enterprises must select IT infrastructure with continuous evolution capabilities in order to stay ahead in the AGI era. To help customers address this challenge, H3C's independently developed H3C UniServer R4300 series storage-optimized server has once again "evolved" and returned. The new generation H3C UniServer R4300 G7 features leading storage capabilities, outstanding computing performance, and efficient low-carbon energy saving. This enables government, public security, carriers, Internet, enterprises, and other industry customers to confidently tackle issues in the data wave of the AGI era.

Product features

Highly efficient end-to-end I/O

H3C UniServer R4300 G7 supports the latest 6th Intel® Xeon® processor, and when paired with eight-channel DDR5 memory technology capable of up to 8000MT/s, it delivers a 42% increase in bandwidth; it supports flexible configurations of SATA, SAS, NVMe and EDSFF, with support for up to 56* drives, providing users with leading storage capabilities; it supports Intel QAT technology, accelerating data compression/decompression and data encryption/decryption scenarios, saving computing resources while increasing computing efficiency; it supports up to 2 double-width or 10 single-width enterprise-class GPU cards*, providing powerful heterogeneous computing power for application systems; it supports up to 13 PCIe 5.0 slots, offering flexible and reliable I/O expansion capabilities for high-density, high-concurrent data services.

Efficient system calmly copes with data center power challenges

H3C G7 series server's efficient design perfectly responds to high power consumption challenges: Intelligent sensor, 63 3D ocean sensors, comprehensively monitoring system temperature; smart quiet net cotton, effectively reducing the impact of vibration on drive performance, maximum drive performance improvement by 22%; intelligent rotary fan, fluid mechanics design, fan efficiency improved by 10%; intelligent cold heat dissipation, number of heat pipe increased to 10, heat transfer performance improved by 8%; intelligent flow duct, independent heat dissipation fans for CPU/GPU/DPU, ultimate fan/overall system power ratio.

Technical specifications

CPU	Support 1 to 2 Intel® Xeon® 6 processors, with a maximum power consumption of 350W for each processor, and supports 4UPI
Memory	Support 32 DDR5 memory slots, with a maximum speed of 6400MT/s Support 16 MRDIMM slots, with a maximum speed of up to 8000MT/s
Storage controller	Support expansion through standard PCIe slots, supports 1 built-in Mezz form factor RAID controller Optional 4GB/8GB cache, supports power fail safeguard Support RAID 0/1/10/5/6/50/60/1E/Simple Volume
Storage	Support 44 3.5 inch SAS/SATA drive* Support 4 2.5 inch SAS/SATA/NVMe drive Support 18 NVMe U.2 drives* Support up to 8 rear E1.S/E3.S drives* Support for SATA/NVMe M.2 expansion options
Network	1 x onboard 1 Gbps HDM management Ethernet port 2 x OCP3.0 Ethernet adapter support NCSI function and hot-swap Supports PCIe Standard Slots for 10/25/100/200Gb Ethernet Adapter or 100/200/400Gb InfiniBand card
PCIe slots	Up to 10 x PCIe 5.0 standard slots, 2 x dedicated OCP3.0 Slots, 1 x dedicated Mezz Slot
Ports	Front: 1 VGA, 1 USB3.0 + 1 USB2.0, 1 Type C interface Built-in: 1 USB Rear: 1 VGA, 2 USB3.0, 1 dedicated HDM network port, optional 1 serial port
GPU	Up to 2 double-width or 10 single-width GPUs*
Optical drive	External optical drive
Management	HDM 3 agentless management tool (with rear independent network port and front dedicated Type C port) and H3C UniSystem management software U-Center data center management platform (Optional)
Security	Support Chassis Intrusion Detection TCM/TPM security module (Optional)
Power supply and cooling	Optional 1300W/1600W/2000W power supply Platinum/Titanium optional, CQC31-461288 certified power supply level V Support 4 8056/8038 hot-swappable fans with N+1
Standards	CE, UL, FCC, VCCI, CB, etc.
Operating temperature	Operating temperature: 5°C to 40°C (41°F to 104°F) Storage Temperature: -40~85°C (-41°F to 185°F) The maximum operating temperature varies by server configuration. For more information, see the technical documentation for the device

Dimensions (H×W×D)	4U Height Without a security bezel: 174.8×447×781 mm (6.88×17.60×30.75 in) With a security bezel: 174.8×447× 809 mm (6.88×17.60×31.85 in)
-----------------------	---

- *The options may be different depending on the specific requirement. Restrictions and limitations may apply. To confirm availability, refer to related user guide or visit H3C website <https://www.h3c.com/en/home/htb/>.



New H3C Technologies Co., Limited
Beijing Headquarters
Tower 1, LSH Center, 8 Guangshun South Street, Chaoyang District, Beijing, China
Zip: 100102
Hangzhou Headquarters
No.466 Changhe Road, Binjiang District, Hangzhou, Zhejiang, China
Zip: 310052
Tel: +86-571-86760000
Fax: +86-571-86760001

Copyright ©2025 New H3C Technologies Co., Limited
Reserves all rights Disclaimer: Though H3C strives to provide accurate information in this document, we cannot guarantee that details do not contain any technical error or printing error. Therefore, H3C cannot accept responsibility for any inaccuracy in this document. H3C reserves the right for the modification of the contents herein without prior notification.

<https://www.h3c.com>