



H3C UniServer R4700 G7 Server

Density Optimized Forerunner



Density optimized forerunner

- 1U height
- Supports 2 Intel® Xeon® 6 processors
- Supports up to 288 CPU cores
- Supports up to 4 single-slot GPUs

Flexible expansion

- 32 DDR5 memory slots
- 8000MT/s speed
- 12 U.2 NVME SSDs
- 4 PCIe standard slots
- 2 onboard OCP3.0 slots
- 1 dedicated RAID Mezz slot

Multi-tier protection

- Chassis intrusion detection
- SGX 2.0
- TPM 2.0
- HDM two-factor authorization

Product Overview

H3C UniServer R4700 G7 server is 1U 2-Socket Rack Server based on Intel's new generation Birch Stream platform. It can meet customers higher requirements for deployment space and economy. While taking into account computing performance and scalability, it has better space optimization and is easy to deploy.

R4700 G7 server can be widely used in general computing scenarios, including databases, virtualization, cloud desktops and other scenarios. It is suitable for typical applications in multiple industries such as the Internet, enterprises, and finance.

As a self-developed high-performance 1U 2-Socket Rack Server, H3C UniServer R4700 G7 is based on Intel® Xeon® 6 Processors, with up to 8000MT/s DDR5 memory, providing users with the ultimate computing performance improvement. Through the support of GPU accelerator cards and NVMe solid-state drives, it provides ultra-high computing performance and I/O acceleration.

Application scenarios

- High-density data center workloads - such as data center workloads of large and medium-sized enterprises and cloud service providers;
- Dynamic workloads - such as databases, virtualization, private clouds and public clouds
- Computation-intensive applications - such as big data, business intelligence, geological exploration and research
- Low-latency and transaction applications - such as query and transaction systems in the financial services industry
- H3C UniServer R4700 G7 server can support Microsoft® Windows® and Linux OS, as well as VMware and H3C CAS virtualization software.

Technical specifications

CPU	2 Intel® Xeon® 6 pocessors 144 Cores for each processor and 350W power consumption
Memory	Supports 32 DDR5 memory slots with a maximum speed of 6400MT/s Supports 16 MRDIMM memory slots with a maximum speed of 8000MT/s Additional expansion slots via CXL*
RAID controller	Dedicated Mezz / standard PCIe HBA controller or raid controller
FBWC	Supports RAID 0/1/5/6/10/50/60, etc., optional 8GB cache, supports supercapacitor protection
Storage	Supports up to 12 × 2.5-inch drives Supports up to 4 × 3.5-inch drives Supports SAS/SATA HDD/SSD drives, Supports up to 12 NVMe U.2 /12 E3.S* drives (Optional) Supports SATA/NVMe M.2 and DSD modules
Network	Onboard 1Gbps management network port Supports 2 OCP 3.0 network cards, hot-swappable and PCIe 5.0 Optional standard PCIe slot network cards, supports Ethernet cards, InfiniBand network cards and smart network cards
Expansion slots	4 PCIe standard slots(3 PCIe 5.0/ 1 PCIe 4.0),2 onboard OCP 3.0 slots and 1 dedicated Mezz slot Up to 7 PCIe slots CXL2.0
Ports	Standard: 1 rear VGA, 4 USB ports (1 front, 1 internal, 2 rear) Optional: mounting bracket kit with 1 serial port, 1 VGA port, 1 USB port; Optional: front dedicated management network port
GPU	4 single-slot GPU modules
Optical drive	External optical disk drive, optional
Management	H3C HDM standard license, iFIST (embedded), H3C advanced feature package license (optional, requires licenses), H3C UniSystem (requires download) Support LCD touchable intelligent management module
Security	Intelligent front security bezel Chassis intrusion detection TPM2.0 2FA for HDM Intel SGX2.0

Power supplies	1+1 Redundancy power supply Platinum 800W/1300W/1600W/2000W//2400W/2700W/3200W Optional Titanium power supply DC power supply 8 Hot swappable redundant fans
Standards	CE, UL etc.
Operating temperature	5°C to 45°C (41°F to 113°F) *
Dimensions (H×W×D)	1U Height Without a security bezel: 42.9 x434.6x777mm (1.69x17.11x30.59 in) With a security bezel: 42.9x434.6x805mm (1.69x17.11x31.69 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/>.



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