



H3C UniServer R4950 G5 Server

Universal 2U 2-way AMD rack server designed for virtualization

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New H3C Technologies Co., Limited



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The Best virtualized resource platform

- Support up to 128 cores and 4 TB memory
- Optimized for Virtualization Platform

Hi-performance and flexible computing

- AMD EPYC Processor
- Up to 10 x PCIe 4.0/3.0 standard slots
- 2 x OCP3.0 slots

Full-lifecycle Use Experience

- Virtualized Unified Management
- Simplified Deployment and Maintenance

Highlights: Virtualized workloads for the modern data center

H3C UniServer R4950 G5 series rack server is independently developed by H3C Group, based on AMD Rack server with EPYC processor, 2U height, supports dual CPU.

The newly designed platform can be widely used in Internet, cloud computing, IDC, enterprise market, Telco and other scenarios.

The R4950 G5 has advantages such as lower power consumption, high reliability, strong flexible scalability, easy management, and fast deployment.

With the following functions of H3C UniServer R4950 G5 server, your business will be empowered a variety of enterprise application and workloads:

- Supports dual-socket AMD EPYC CPU and supports multiple security-related functions, including AMD Security Processor, Security Memory Encryption (SME) and Secure Encrypted Virtualization (SEV).
- Support up to 32 DDR4 ECC memory slots, up to 3200MT/s, up to 4TB expandable capacity
- Supports up to 10 PCIe 4.0 expansion slots and 2 OCP 3.0 slots, effectively improving system expansion capabilities
- Intelligent array RAID controller, providing high-speed cache for data read and write, and support power-down data protection function.
- Supports up to 2 double-width or 6 single-width Graphics Processing Units (GPUs) for workload acceleration.
- Efficient universal slot power supply for 96% energy efficiency
- Support Trusted Platform Module (TCM1.0/TPM2.0), which can provide advanced encryption functions
- The system management module HDM cooperates with the FIST management software to monitor the running status of the system and provide remote management functions Housing Data center graphics for high-density cloud gaming and media streaming
- The R4950 G5 supports Microsoft® Windows® and Linux operating systems, as well as VMware and H3C CAS and can operate perfectly in heterogeneous IT environments.

Detailed Specification

CPU	2 x Rome/Milan AMD EYPC TM series (each processor up to 64 cores and maximum 280W power consumption)
Memory	32 x DDR4 DIMM slots , maximum 4.0 TB Up to 3200 MT/s data transfer rate, support RDIMM or LRDIMM
Storage controller	Standard PCIe HBA or RAID controller (SATA RAID 0, 1, 5, and 10), depending on model
FBWC	4 GB DDR4 cache, depending on model, support supercapacitor protection
Storage	Up to front 12LFF bays, Rear 4LFF+2SFF bays* Up to front 25SFF bays, Rear 2LFF+4SFF bays* Front SAS/SATA HDD/SSD/NVMe Drives, maximum 24 x U.2 NVMe Drives PCIe or SATA 2280/22110 M.2 SSDs, 2 x SD card kit , depending on model
Network	2 x OCP 3.0 slots for 4 x 1GE or 2 x 10GE or 2 x 25GE NICs PCIe Standard slots for 1/10/25GE/I/B Ethernet adapter
PCIe slots	10 x PCIe 4.0/3.0 standard slots
Ports	VGA ports (Front and Rear) and serial port (RJ-45) 6 x USB 3.0 ports (front USB3.0+USB2.0, rear 2 x USB3.0, internal 2 x USB3.0) 1 dedicated management Type-C port 1 x onboard 1 Gbps management network port
GPU	6 x single-slot wide or 2 x double-slot wide GPU modules
Optical drive	External optical disk drive , optional
Management	HDM OOB system (with dedicated management port) and H3C iFIST/FIST, LCD touchable smart model
Security	Chassis Intrusion Detection TCM/TPM2.0
Power supply	2 x Platinum 550W/800W/850W/1200/1600W/2000W (1+1 redundancy) ,depending on model Hot swappable redundant fans
Standards	CE, CCC, etc.
Operating temperature	5°C to 45°C (41°F to 113°F) The maximum operating temperature varies by server configuration. For more information, see the technical documentation for the device.
Dimensions (H x W x D)	2U Height Without a security bezel: 87.5 x 445.4 x 748 mm (3.44 x 17.54 x 29.45 in) With a security bezel: 87.5 x 445.4 x 775.5 mm (3.44 x 17.54 x 30.53 in)

* See related manual for detailed configuration

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