



H3C UniServer R4900 G3 Server

2U Dual Processor Rack Servers meet the expansion requirements of data center

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New H3C Technologies Co., Limited

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Designed for the workloads of modern data centers Excellent performance improves data center productivity

- Support the most up-to-date tech platforms and massive memory expansion
- Support high-performance GPU acceleration

Scalable configuration protects IT investment

- Flexible subsystem selection
- Modular design that allows phased investment

Comprehensive security protection

- Indigenous chip-level encryption
- Security bezel, chassis lock, and chassis intrusion monitoring

You can use the R4900 G3 to support below services:

- Virtualization — Support multiple types of workloads on a single server to save space
- Big Data — Manage exponential growth of structured, unstructured, and semi-structured data.
- Applications centered on storage — Remove I/O bottleneck and improve performance
- Data warehouse/analysis — Query data on demand to help service decision
- Customer relationship management (CRM) — Help you to gain comprehensive insights into business data to improve customer satisfaction and loyalty
- Enterprise resource planning (ERP) — Trust the R4900 G3 to help you manage services in real time
- Virtual desktop infrastructure (VDI) — Deploys remote desktop service to bring great office agility and enable telecommuting with any device anywhere anytime
- High-performance computing and deep learning — Provide 3 dual-slot wide GPU modules in a 2U footprint, meeting the requirements of machine learning and AI applications
- The R4900 G3 supports Microsoft® Windows® and Linux operating systems, as well as VMware and H3C CAS and can operate perfectly in heterogeneous IT environments.

Detailed Specification

Computing	2 × 2nd Generation Intel Xeon Scalable Processors (CLX&CLX-R) (Up to 28 cores and maximum 205 W power consumption)
Memory	24 × DDR4 DIMMs with maximum 3.0 TB Capacity (Up to 2933 MT/s data transfer rate and support of both RDIMM and LRDIMM) (Up to 12 Intel ® Optane™ DC Persistent Memory Module.(DCPMM))
Storage controller	Embedded RAID controller (SATA RAID 0, 1, 5, and 10) Standard PCIe HBA cards and storage controllers (Optional)
FBWC	8 GB DDR4-2133MHz
Storage	Front 12LFF + rear 4LFF and 4SFF or front 25SFF + rear 2LFF and 4SFF(supports SAS/SATA HDD/SSD, front and inside NVMe drives, and up to 24 front NVMe drives) 480 GB SATA M.2 SSDs (Optional) SD cards
Network	1 × onboard 1 Gbps management network port 1 × mLOM Ethernet adapter that provides 4 × 1GE copper ports or 2 × 10GE copper/fiber ports 1 × PCIe Ethernet adapters (Optional)
PCIe slots	10 × PCIe 3.0 slots (eight standard slots, one for Mezzanine storage controller, and one for Ethernet adapter)
Ports	Rear 1 × VGA connector and 1 × serial port 5 × USB 3.0 connectors (one at the front, two at the rear, and two in the server) Front 1 × VGA connector 1 × USB 2.0 connector (Optional) 2 × MicroSD slots (Optional)
GPU	3 × dual-slot wide GPU modules or 8 × single-slot wide GPU modules
Optical drive	External optical drive Only the 8SFF drive models support built-in optical drives
Management	HDM (with dedicated management port) and H3C FIST
Security	Support Chassis Intrusion Detection , TCM1.0/TPM2.0 Optional PCIe Protection module , Provide Firewall、IPS、 Ant-virus and QoS features
Power supply and ventilation	Platinum 550W/800W/850W/1300W/1600W, Titanium, or 800W –48V/336V DC power supplies (1+1 redundancy) Hot swappable fans (supports redundancy)
Standards	CCC, CECP, SEPA,CE,EAC,UL etc.
Operating temperature	5°C to 50°C (41°F to 122°F) The maximum operating temperature varies by server configuration.
Dimensions (H × W × D)	Without a security bezel: 87.5 × 445.4 × 748 mm (3.44 × 17.54 × 29.45 in) With a security bezel: 87.5 × 445.4 × 769 mm (3.44 × 17.54 × 30.28 in)
Warranty	Three years Next-business-day Onsite Support, 5×9

- *Configuration may vary, refer to related user guide for more details



- **Joint Solutions**
- **H3C Solutions for Microsoft Azure Stack HCI**
 - Run virtualized applications on-premises
 - We are bringing our fully validated and optimized UniServer R4900 G3 into the Microsoft Azure Stack HCI solutions to handle virtualization and management.
- **H3C Solutions for Intel® Select Solution for NFVI**
 - Systems for the Future-Forward, Agile Data Center
 - H3C has chosen to partner with Intel to verify its UniServer R4900 G3 as an Intel® Select Solution for NFVI, which lets users benefit from workload-optimized performance and also Intel' experience in the NFV market.
- **H3C Solutions for vSAN ReadyNode™**
 - Automation and customized configurations
 - vSAN ReadyNode™ is jointly recommended by VMware and H3C on the tested and certified UniServer R4900 G3 for vSAN deployment.



The Leader in Digital Solutions

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