



H3C UniServer R4300 G3 Server

Maximize storage for various tiers of data

Powered by Intel® processors

Release Date: August, 2021



New H3C Technologies Co., Limited

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Excellent performance improves data center productivity

- Support the most recent Intel® Xeon® Scalable Processors
- Up to 24 DDR4 2933MT/s DIMMs
- Up to 2 double-width or 8 single-width GPUs to meet AI Business needs
- Optane and NVMe acceleration

Industrial-leading massive storage capacity

- Up to 52 drives
- Flexible disk combination M.2/SATA/SAS/NVMe
- NVDIMM/DCPMM and Raid controller to ensure data integrity

Scalable configuration protects IT investment

- Linear expansion for SDS
- Up to 10 PCIe 3.0 slots

Excellent handling of data-intensive workloads with flexible expansion

The R4300 G3 server realize the comprehensive needs of high storage capacity, efficient data calculation, and linear expansion within 4U rack. This model is suitable for multiple industries such as government, public security, operator, and the Internet.

As an advanced high-performance dual-processor 4U rack server, the R4300 G3 features the most recent Intel® Xeon® Scalable processors and six-channel 2933MHz DDR4 DIMMs, increasing server performance by 50%. With up to 2 double-width or 8 single-width GPUs, equipping R4300 G3 with excellent local data processing and real-time AI acceleration performance.

The R4300 G3 server support up to 52 drives, seamless select from M.2 to NVMe drives and flexible NVDIMM/DCPMM combination as well as Optane SSD/NVMe high-speed flash.

With up to 10 PCIe 3.0 slots and up to 100 GB Ethernet card 56Gb、100Gb IB card, Server can easily achieve reliable and flexible I/O expansion to deliver high volume and concurrent data service.

R4300 G3 Server support power supplies with 96% efficiency that greatly improves data center efficiency and reduce the datacenter cost.

R4300 G3 provide a favorable linear expansion of DC-level storage capacity. It can also support multiple modes Raid technology and power outage protection mechanism to make the server an ideal infrastructure for SDS or distributed storage,

- Big Data – manage exponential growth in data volume includes structured, unstructured, and semi-structured data
- Storage-oriented application – eliminate I / O bottlenecks and improve performance
- Data warehousing/Analysis – extract valuable information for wiser decision-making
- High-performance and deep learning–Powering machine learning and artificial intelligence applications

The R4300 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 × Intel® Xeon® Scalable processors (Up to 28 cores and maximum 165 W power consumption)
Chipset	Intel® C621
Memory	24 × DDR4 DIMMs 3.0 TB (maximum) (Up to 2933 MT/s data transfer rate and support for both RDIMM and LRDIMM) (Up to 12 Intel® Optane™ DC Persistent Memory Module.(DCPMM) Optional NVDIMM*
Storage controller	Embedded RAID controller (SATA RAID 0, 1, 5, and 10) Mezzanine HBA card (SATA/SAS RAID 0, 1, and 10) (Optional) Mezzanine storage controller (RAID 0, 1, 5, 6, 10, 50, 60, 1E and Simple Volume) (Optional) Standard PCIe HBA cards and storage controllers (Optional) NVMe RAID
FBWC	4 GB cache
Storage	Support SAS/SATA/NVMe U.2 Drives Front 24LFF; Rear 12LFF+4LFF(2LFF)+4SFF;Support internal 4LFF* or 8SFF*;Optional 10 NVMe drives Support SATA M.2 optional part
Network	1 × onboard 1 Gbps HDM management Ethernet port and 2 × GE Ethernet port 1 × FLOM Ethernet adapter that provides 4 × 1GE copper ports ; 2 × 10GE fiber ports; FLOM support NCSI function PCIe 3.0 Ethernet adapters (Optional), Support 10G,25G,100G LAN Card or 56G/100G IB card
PCIe slots	10 × PCIe 3.0 slots (8 standard slots, one for Mezzanine storage controller, and one for Ethernet adapter)
Ports	Rear VGA connector and serial port 3 × USB 3.0 connectors (two at the rear and one at the front)
GPU	8 × single-slot wide or 2 × double-slot GPU modules*
Optical drive	External optical drive
Management	HDM (with dedicated management port) and H3C FIST
Security	Support Chassis Intrusion Detection TPM2.0
Power supply and Cooling	2 × 550W/850W/1300W or 800W –48V DC power supplies (1+1 Redundant Power Supply) 80Plus certification, up to 94% energy conversion efficiency Hot swappable fans (supports 4+1 Redundancy)
Standards	CE, UL , FCC, VCCI, EAC, etc.
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 × 782 mm (6.88 × 17.60 × 30.79 in) With a security bezel: 174.8 × 447 × 804 mm (6.88 × 17.60 × 30.79 in)

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



The Leader in Digital Solutions

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