

HUAWEI Tecal RH2288 V2 Rack Server





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HUAWEI TECHNOLOGIES CO., LTD.



HUAWEI Tecal RH2288 V2 Rack Server

(RH2288 V2)

High performance and flexible scalability

- Supports two Intel® Xeon® E5-2600 series 4-core, 6-core, or 8-core processors, providing a maximum L3 cache of 20 MB and QuickPath Interconnect (QPI) at 8 GT/s; adopts the power consumption adjustment and Turbo acceleration technology to improve performance while reducing power consumption.
- Supports 24 DDR3 DIMMs, with a maximum memory capacity of 768 GB, providing enriched memory resources for memory-intensive applications.
- Supports HUAWEI ES series high-performance PCIe SSD cards, providing superb I/O performance to resolve hard disk I/O bottlenecks.
- Supports high-performance GPUs, improving the graphics processing and floating-point computing performances.

High energy efficiency

- Uses highly efficient 80 Plus Platinum PSUs that comply with the ENERGY STAR standards and have passed the China Energy Conservation and Environmentally-Friendly Certification.
- Provides 460 W and 800 W PSUs for flexible configurations to improve power efficiency.
- Uses temperature sensors to monitor the heat of key components, working with intelligent fan speed adjustment to precisely cool the server, markedly increasing the cooling efficiency.
- Adopts dynamic power capping to control the preset power consumption, preventing service interruption.

Simple management and maintenance

- Supports the black box function to facilitate quick fault location and service recovery.
- Implements simple system management by using the built-in BMC, which supports SOL and remote KVM, startup, and shutdown.

Flexible and high reliability local storage

- Supports eight 2.5-inch SAS/SATA HDDs or SSDs. Alternatively, twelve 3.5-inch SAS/SATA HDDs and two 2.5-inch SAS/SATA HDDs or SSDs, or twenty-six 2.5-inch SAS/SATA HDDs or SSDs can be installed. Hard disks are hot-swappable, providing a maximum storage capacity of 38 TB. This meets the large storage capacity application requirements of servers.
- Adopts the industry-leading RAID technology, supporting RAID 0, 1, 10, 5, 50, 6 and 60 and providing a 512 MB or 1 GB cache; supports an optional BBU and supercapacitor, RAID state migration, RAID configuration memory, self-diagnosis, and remote web setting to ensure data reliability.

Large memory and high performance



RH2288 V2 (26 hard disks)



RH2288 V2 (14 hard disks)



RH2288 V2 (8 hard disks)

The HUAWEI Tecal RH2288 V2 (RH2288 V2) is a new-generation 2U 2-socket rack server. Featuring two Intel® Xeon® E5-2600 series processors, the RH2288 V2 provides a memory capacity of 768 GB and a storage capacity of 38 TB, making it an ideal product for critical services and cloud computing.

Technical Specifications

Form factor	2U rack server
Number of processors	1 or 2
Processor	Intel® Xeon® E5-2600 series Core options: 4, 6, or 8 L3 cache: up to 20 MB
Memory	24 DDR3 RDIMMs/LRDIMMs, up to 768 GB
Internal storage	Options: • 8 x 2.5" SAS/SATA HDDs or SSDs, up to 8 TB • 12 x 3.5" SAS/SATA HDDs and 2 x 2.5" SAS/SATA HDDs or SSDs, up to 38 TB • 26 x 2.5" SAS/SATA HDDs or SSDs, up to 26 TB
RAID support	RAID 0, 1, 10, 5, 50, 6, and 60 RAID cache: 512 MB or 1 GB Power-off protection: • BBU • Supercapacitor
LOM network port	4 onboard GE ports
Expansion slot	Up to 6 PCIe 3.0 slots 1 processor: • 1 PCIe 3.0 x16 • 1 PCIe 3.0 x8 • 1 PCIe slot for a RAID controller card 2 processors: • 3 PCIe 3.0 x8 • 1 PCIe slot for a RAID controller card • (Optional) 1 PCIe 3.0 x16 • (Optional) 1 PCIe 3.0 x8
USB port	6 (front: 2, rear: 2, built-in: 2)
Fan module	4 hot-swappable counter-rotating fan modules in N+1 redundancy mode
PSU	2 hot-swappable 1+1 redundant PSUs: • AC: 460 W or 800 W • -48 V DC: 800 W
Management	Built-in BMC, supporting Huawei USM management software, IPMI, SOL, KVM over IP, and virtual media One 10/100 Mbit/s RJ45 management network port
Operating systems supported	Microsoft Windows Server Red Hat Enterprise Linux SUSE Linux Enterprise Server Oracle Enterprise Linux Debian CentOS Oracle Server VM Citrix XenServer VMware
Power supply	110 V/220 V AC or -48 V DC
Operating temperature	5°C to 40°C
Dimensions	Height: 87.5 mm (3.44 in.) Width: 447 mm (17.60 in.) Depth: 740 mm (29.13 in.)