

# HUAWEI Tecal RH1288 V2 Rack Server



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HUAWEI TECHNOLOGIES CO., LTD.



# HUAWEI Tecal RH1288 V2 Rack Server

## (RH1288 V2)

### Excellent performance and flexible scalability

- Supports Intel® Xeon® E5-2600 / E5-2600 v2 series processors, providing a maximum L3 cache of 30 MB and QuickPath Interconnect (QPI) at 8 GT/s.
- Supports the intelligent power consumption management and Intel Turbo Boost Technology, providing high performance while reducing power consumption.
- Meets requirements for memory-intensive applications by providing 24 DDR3 DIMM slots and up to 768 GB memory capacity.
- Supports flexible configuration and high network I/O performance by providing onboard two GE or four GE or two 10GE ports.

### 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, 750 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 saving and power capping to control the preset power consumption, preventing service interruption.

### Simple management and maintenance

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



**RH1288 V2 (4 hard disks)**



**RH1288 V2 (8 hard disks)**

The HUAWEI Tecal RH1288 V2 (RH1288 V2 for short) is a new-generation 1U rack server. With an optimized architecture, it supports two Intel® Xeon® E5-2600/ E5-2600 v2 series processors, a maximum memory capacity of 768 GB, and an internal storage capacity of 12 TB, providing high performance while achieving high density. It is an ideal choice for enterprise intensive applications and cloud computing.

## Technical Specifications

Form factor	1U rack server
Number of processors	1 or 2
Processor	Intel® Xeon® E5-2600/E5-2600 v2 (Romely-EP) series Core options: 4, 6, 8, 10 or 12 Maximum power: 135 W Maximum dominant frequency: 3.3 GHz L3 cache: 30 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 • 4 x 3.5" SAS/SATA hard disks, up to 12 TB
RAID support	RAID 0, 1, 10, 5, 50, 6, and 60 RAID cache: 512 MB or 1 GB Power-off protection: • BBU • Super capacitor
LOM network port	2 or 4 onboard GE ports or 2 onboard 10GE ports
Expansion slot	Up to 3 PCIe 3.0 slots 1 processor: • 1 PCIe 3.0 x16 • 1 PCIe slot for a RAID controller card 2 processors: • 1 PCIe 3.0 x16 • 1 PCIe 3.0 x8 • 1 PCIe slot for a RAID controller card
USB port	5 (front: 2, rear: 2, built-in: 1)
Fan module	7 hot-swappable counter-rotating fan modules in N+1 redundancy mode
PSU	2 hot-swappable 1+1 redundant PSUs: AC: 460 W, 750 W, or 800 W -48 V DC: 800 W
Management	Built-in BMC, supporting Huawei iMana 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 Oracle Server VM Citrix XenServer VMware ESXi Debian Solaris Ubuntu etc.
Power supply	110 V/220 V AC or -48 V DC
Operating temperature	5°C to 35°C (41°F to 95°F)
Dimensions (H x W x D)	Height: 43.6 mm (1.72 in.) Width: 447 mm (17.60 in.) Depth: 740 mm (29.13 in.)

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