

# HUAWEI Tecal RH2485 V2 Rack Server





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HUAWEI TECHNOLOGIES CO., LTD.



# HUAWEI Tecal RH2485 V2 Rack Server

## (RH2485 V2)

### High Performance, Large Memory, Flexible I/O Expansion

- Uses Intel® Xeon® E5-4600 v2 series processors and supports 48 DIMMs, providing a memory capacity of up to 1.5 TB. This meets the requirements for various memory-intensive applications.
- Intel® Xeon® E5-4600 v2 series processors includes 4-, 6-, 8-, 10- and 12-core options, providing a maximum L3 cache of 30 MB. The Intel® 8 GT/s QuickPath Interconnect (QPI) and Turbo Boost Technology 2.0 ensure powerful computing performance.
- Flexible PCIe 3.0 slots can accommodate multiple PCIe riser cards, including HUAWEI ES series high-performance PCIe SSD cards, which is the perfect combination of high performance and high I/O bandwidth.

### High Energy Efficiency

- RH2485 V2 complies with ENERGY STAR® standards and the Energy Conservation and Environmentally Friendly Certification released by the China Quality Certification Center. The adoption of 80 PLUS® Platinum PSUs and optimized onboard DC-DC conversion ensure the high power efficiency
- Multiple temperature sensors monitor the temperatures of key components, accordingly the cooling system can adjust the fan speed precisely to dissipate the heat generated. This increases cooling system efficiency and ensures system stable operation.
- Dynamic power capping technology controls the maximum power consumption within the preset limit, preventing over-current. Meantime it makes the most use of the power supply

### Simple Management and Maintenance

- Supports the black box function that facilitates fault location and quickly recovers services.
- Implements simple system management by using the built-in BMC, which supports SOL and remote KVM, startup, and shutdown.

## 2U 4-socket Server



RH2485 V2

The HUAWEI Tecal RH2485 V2 is a new-generation 4-socket rack server in a compact 2U chassis. Powered by Intel® Xeon® E5-4600 v2 series processors, it provides up to 48 computing cores and a memory capacity of 1.5 TB, which offer the excellent computing performance as well as the flexible I/O expandability. With an optimized non-stacking mechanical design, it is convenient to maintain the memory modules and processors. RH2485 V2 is suitable for memory-intensive applications such as enterprise databases, virtualization, and high-performance computing.

## Technical Specifications

Form factor	2U rack server
Number of processors	2 or 4
Processor	Intel® Xeon® E5-4600 v2 series Core options: 4, 6, 8, 10 or 12 L3 cache: Up to 30MB
Memory	48 DDR3 RDIMMs/LRDIMMs, up to 1.5 TB
Internal storage	8 x 2.5" hot-swappable SAS/SATA HDDs or SSDs, up to 8 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 on-board GE ports (Optional) 2 x 10 GE ports
Expansion slot	Up to 8 PCIe 3.0 slots (same for 2 or 4 processors): • 1 PCIe 3.0 x 16, for full-height full-length PCIe card • 1 PCIe 3.0 x 8, for full-height 3/4-length PCIe card • 5 PCIe 3.0 x 8, for half-height half-length PCIe cards • 1 PCIe 3.0 x 8, for a RAID mezzanine card
USB port	6 (front: 2, rear: 2, built-in: 2)
Fan module	6 hot-swappable counter-rotating fan modules, N+1 redundant
PSU	2 hot-swappable 1200 W 80 PLUS® Platinum PSUs, 1+1 redundant
Management	Built-in BMC, supporting IPMI, SOL, KVM over IP, and virtual media One 10/100 Mb/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
Power supply	110 V/220 V AC
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.)