HUAWEI FusionServer RH2288H V3



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HUAWEI FusionServer RH2288H V3

The HUAWEI FusionServer RH2288H V3 (RH2288H V3 for short) is a new-generation 2U dual-socket rack server. It provides flexible resource expansion capabilities as well as high computing performance. It is an ideal choice for Internet, big data, cloud computing, high-performance computing (HPC), and enterprise key applications.

- Provides large local storage space to quickly respond to fast data increase
- Supports up to two highperformance processors to implement efficient computing.
- Ensures high energy efficiency by using intelligent fine-grained power control technologies.
- Provides a touchscreen management panel to facilitate management.

High performance allows rapid respond to business growth

- Supports up to two Intel® Xeon® E5-2600 v3 processors. Each processor supports a
 maximum of 18 cores and provides two 9.6 GT/s QuickPath Interconnect (QPI) links
 between processors.
- Supports up to twenty-four 2133 MHz DDR4 DIMMs to provide a maximum memory capacity of 1.5 TB.
- Provides up to nine PCIe slots and two dual-slot high-performance GPUs, offering extraordinary floating-point arithmetic capability.
- Provides I/O performance surpassing traditional hard disks when used with Huawei PCle SSD cards.

Intelligent power control increases energy efficiency

- Uses 80 Plus Platinum power supply units (PSUs), meeting Energy Star specifications.
- Uses the dynamic energy management technology (DEMT) to adjust server operating status dynamically and limit the power consumption to an optimal level.
- Uses power capping to allocate cooling and power supply resources on demand, and increase resource utilization and deployment density without affecting services.
- Supports high-voltage DC power supplies, preventing conversion between AC and DC power supplies and minimizing the power loss in power conversion.
- Uses proportion integration differentiation (PID) to control heat dissipation and speed adjustment policies, implements stepless speed regulation and on-demand allocation of heat dissipation resources, minimizing power consumption and noise.

Efficient management and maintenance

- Provides a touchscreen liquid crystal display (LCD) to facilitate equipment operation and management.
- Provides a data recorder, similar to a flight recorder, to facilitate fault locating when the server collapses.
- Uses an independent iBMC module to implement Serial over LAN (SOL), remote KVM, and functions such as remote startup and shutdown of the server.

Flexible configuration and expansion of local storage

- Provides a maximum of sixteen 3.5-inch hard disks or twenty-eight 2.5-inch hard disks.
- Offers a wide range of hard disk enclosures and RAID controllers, allowing flexible configuration on demand.
- Cope with big data challenges by supporting the latest 12G SAS, which provides 1x higher bandwidth than the 6G SAS.









RH2288H V3 (8 hard disks)

RH2288H V3 (25 hard disks)

RH2288H V3 (10 hard disks)

RH2288H V3 (12 hard disks)

RH2288H V3	
Form factor	2U rack server
Number of processors	1 or 2
Processor model	Intel® Xeon® E5-2600 v3 series processor
Number of memory slots	24 slots for DDR4 RDIMMs or LRDIMMs
Maximum local storage	Supports the following hard disk configurations: • Eight front 2.5-inch SSDs or SAS or SATA HDDs • Ten front 3.5-inch SATA HDDs • Twelve front 3.5-inch SAS or SATA HDDs and two rear hard disk modules. Each module provides two 2.5-inch SSDs or SAS or SATA HDDs or 3.5-inch SAS or SATA HDDs. • Twenty-five front 2.5-inch SSDs or SAS or SATA HDDs and two or three rear 2.5-inch SSDs or SAS or SATA HDDs Supports built-in Flash: • Two Mini SSDs (SATA DOM) • Two SD card
RAID	Supports RAID 0, 1, 10, 5, 50, 6, and 60 Uses a supercapacitor to protect RAID cache data from power failures Supports RAID state migration, configuration memory, self-diagnosis, and web-based remote configuration
Network ports	Supports the following network configurations: • Two GE electrical ports, supporting Network Controller Sideband Interface (NC-SI), WOL, and PXE • Four GE electrical ports, supporting NC-SI, WOL, and PXE • Two 10GE optical ports, supporting NC-SI, WOL, and PXE • Two 10GE electrical ports, supporting NC-SI, WOL, and PXE
PCIe expansion	Supports a maximum of 9 PCle slots
Fan	Hot-swappable fan modules in N+1 redundancy
Power supply	2 hot-swappable power supplies in 1+1 redundancy
Management	The on-board iBMC module supports Intelligent Platform Management Interface (IPMI), SOL, KVM over IP, and virtual media, and provides a 1 Gbit/s RJ45 management network port supporting NC-SI.
Supported OSs	CentOS Citrix XenServer Microsoft Windows Server Red Hat Enterprise Linux SUSE Linux Enterprise Server VMware ESXi
Operating temperature	5°C to 45°C (41°F to 113°F)
Certification	CE, UL, FCC, CCC, and RoHS
Installation suite	Guide rails Holding rails and cable management arm (optional)
Dimensions (W x D x H)	RH2288H V3 with 3.5-inch hard disks: 447 mm × 748 mm x 86.1 mm (17.60 in. x 29.45 in. x 3.39 in.) RH2288H V3 with 2.5-inch hard disks: 447 mm × 708 mm x 86.1 mm (17.60 in. x 27.84 in. x 3.39 in.)