

# HUAWEI FusionServer RH1288 V3



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HUAWEI TECHNOLOGIES CO., LTD.



# HUAWEI FusionServer RH1288 V3

The HUAWEI FusionServer RH1288 V3 (RH1288 V3 for short) is a new-generation 1U dual-socket rack server. It achieves optimal balance of performance and density owing to optimal design. It is an ideal choice for enterprise computing-intensive applications, enterprise applications requiring both computing and storage resources, and cloud computing applications.

The RH1288 V3 servers provide the following features:

- High density and space-saving
- Integrated device management solution
- Flexible network configuration

## New-generation E5-2600 v3/v4 processors allow high performance

- Supports up to two Intel® Xeon® E5-2600 v3/v4 processors. Each processor supports a maximum of 20 cores, and 9.6 GT/s QuickPath Interconnect (QPI) speed.
- Supports up to sixteen 2400 MT/s DDR4 DIMMs to provide a maximum memory capacity of 1 TB, meeting requirements of memory-demanding applications.
- Offers flexible networking. The server provides two or four GE ports or two 10GE ports or two 56G FDR IB ports without occupying PCIe slots, improving network availability.

## Fine-grained power control improves emergency efficiency

- Uses 80 Plus Platinum power supply units (PSUs), meeting Energy Star specifications.
- Supports 460 W, 750 W, 800 W, and 1200 W PSUs, increasing energy efficiency.
- Uses temperature sensors in key components to monitor temperature in real time, and the fan modules implement intelligent speed adjustment based on the temperature to improve heat dissipation efficiency.
- Uses dynamic power conservation and power capping to safely limit the maximum server power consumption to a specified level without affecting services.

## Professional management module provides comprehensive management

- Uses an independent iBMC module to implement Serial over LAN (SOL), remote KVM, and functions such as remote server startup and shutdown.
- Provides a wide variety of management interfaces, including the IPMI, CLI, HTTPS, SNMP, and WSMAN interfaces to facilitate integration with third-party systems.

## Accurate fault locating facilitates efficient O&M

- Provides FDM2.0 fault diagnose management function, to improve troubleshooting efficiency.
- Provides error codes through the server front panel to help fault locating.



RH1288 V3 (4 hard disks)



RH1288 V3 (8 hard disks)

RH1288 V3	
Form factor	1U rack server
Number of processors	1 or 2
Processor model	Intel Xeon E5-2600 v3/v4 series processors
Memory	16 slots for DDR4 RDIMMs or LRDIMMs
Local storage	Supports two types of hard disk configurations: <ul style="list-style-type: none"> <li>• Eight 2.5-inch SSDs or SAS or SATA HDDs (NVMe model supports four NVMe SSD disks)</li> <li>• Four 3.5-inch SAS or SATA HDDs</li> </ul> Supports Flash storage: <ul style="list-style-type: none"> <li>• Two Mini SSDs (SATA DOM)</li> <li>• Two SD card</li> </ul>
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, RAID configuration memory, self-diagnosis, and remote web setting
Network ports	Supports two or four GE ports or two 10GE ports or two 56G FDR IB ports
PCIe expansion	Supports up to three PCIe slots
Fan	5 hot-swappable fan modules in N+1 redundancy. Each fan module has two counter-rotating fans.
PSU	Can be configured with two hot-swappable PSUs in redundancy and supports N+1 redundancy. The server supports the following PSUs: <ul style="list-style-type: none"> <li>• 460 W or 750 W AC or DC PSU</li> <li>• 800 W -48 V DC PSU</li> <li>• 1200 W high-voltage DC PSU</li> </ul>
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 Network Controller Sideband Interface (NC-SI).
Supported OSs	CentOS Citrix XenServer Microsoft Windows Server Red Hat Enterprise Linux SUSE Linux Enterprise Server VMware ESXi
Power supply	110 V to 220 V AC 240 V to 380 V DC -48 V DC
Operating temperature	5°C to 45°C (41°F to 113°F) NOTE: The RH1288 V3 servers operating at 45°C do not support SSDs, and the fault of one fan may affect CPU performance.
Certification	CE, UL, FCC, CCC, and RoHS
Installation suite	Guide rails Adjustable holding rails
Dimensions (W x D x H)	RH1288 V3 with 3.5-inch hard disks: 436 mm x 748 mm x 43 mm (17.17 in. x 29.45 in. x 1.69 in.) RH1288 V3 with 2.5-inch hard disks: 436 mm x 708 mm x 43 mm (17.17 in. x 27.87 in. x 1.69 in.)