

Huawei FusionServer 5288 V3



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Huawei FusionServer 5288 V3



The Huawei FusionServer 5288 V3 (5288 V3 for short) is a new-generation 4 U two-socket storage rack server. It provides optimal computing performance, ultra-large local storage capacity, and flexible expansion capabilities. It is an ideal choice for cold data storage, video surveillance, cloud storage, and Big Data applications in media, financial, public security sectors.

- Ultra-large local storage capacity adapts to fast data increase
- Smart and refined power control technology ensures high energy efficiency. The LED digital management panel allows intuitive fault location

High bandwidth and ultra-large local storage capacity

- Supports up to forty 3.5-inch hard disks, providing the needed flexibility for service expansion.
- Supports two mini SSDs (SATA DOMs) grouped as a RAID 1 array for the operating system (OS), freeing up significant capacity in hard disks.
- Provides two types of disk enclosures and multiple RAID controller configuration options, allowing flexible configurations for different requirements.
- Supports the latest 12 Gbit/s SAS technology, meeting requirements for high performance transmission in Big Data analytics.

High performance and scalability

- Uses the latest Intel® Xeon® E5-2600 v3/v4 series processors. Each processor supports a maximum of 20 cores and provides two 9.6 GTbit/s QuickPath Interconnect (QPI) links between processors.
- Supports up to sixteen 2400 MT/s DDR4 DIMMs to provide a maximum memory capacity of 1 TB (configured with 64 GB memory).
- Provides up to six PCIe slots, offering expandable I/O space with high availability.
- Provides I/O performance surpassing traditional hard disks when used with PCIe SSD cards and NVMe SSD disks.

High energy efficiency with intelligent power control

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

Efficient management and maintenance

- Provides a digital LED fault diagnosis panel to facilitate device management.
- Provides a data recorder, similar to a flight recorder, to facilitate fault locating when the server collapses.
- Implements Serial over LAN (SOL), remote KVM, and remote startup and shutdown of the server through an independent iBMC.

5288 V3

Form factor	4 U rack server	
Number of processors	One or two	
Processor model	Intel® Xeon® E5-2600 v3/v4 series processors	
Number of DIMM slots	8 or 16 slots for DDR4 RDIMMs or LRDIMMs	
Maximum local storage	5288 V3 with 40/38 hard disks Front: • 24 x 3.5-inch SAS or SATA HDDs Rear: • 16 x 3.5-inch SAS or SATA HDDs • 14 x 3.5-inch SAS or SATA HDDs + 2 x 2.5-inch SSDs or SAS or SATA HDDs • 12 x 3.5-inch SAS or SATA HDDs + 4 x 2.5-inch SSDs or SAS or SATA HDDs • 12 x 3.5-inch SAS or SATA HDDs(NVMe model supports four NVMe SSD disks) + 2 x 2.5-inch or 3.5-inch SSDs or SAS or SATA HDDs	5288 V3 with 28 hard disks Front: • 24 x 3.5-inch SAS or SATA HDDs Rear: • 4 x 3.5-inch SAS or SATA HDDs • 2 x 3.5-inch SAS or SATA HDDs + 2 x 2.5-inch SSDs or SAS or SATA HDDs • 4 x 2.5-inch SSDs or SAS or SATA HDDs
RAID support	• 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, and web-based remote configuration.	
LOM	Supports the following network configurations: • Two GE electrical ports, supporting Network Controller Sideband Interface (NC-SI), Wake on LAN (WOL), and preboot execution environment (PXE) • Four GE electrical ports, supporting NC-SI, WOL, and PXE • Two 10GE optical ports, supporting NC-SI and PXE • Two 10GE electrical ports, supporting NC-SI, WOL, and PXE • Two GE electrical ports and two 10GE optical ports, supporting NC-SI, WOL, and PXE	
PCIe expansion	A maximum of six PCIe slots.	
Fan module	Four hot-swappable fan modules in N+1 redundancy	
PSU	Two hot-swappable PSUs in 1+1 redundancy Supports 750 W and 1200 W Platinum AC PSUs.	
Management	The on-board iBMC management 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 OS	• CentOS • Citrix XenServer • Microsoft Windows Server • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi	
Operating temperature	5°C to 40°C (41°F to 104°F)	
Certification	CE, UL, FCC, CCC, and RoHS	
Installation suite	• Guide rails • Hold rails and cable management arm (optional)	
Dimensions (H x W x D)	175 mm x 447 mm x 748 mm (6.89 in. x 17.60 in. x 29.45 in.)	