FUSION

FusionServer

2288 V8 Rack Server

Powerful performance, Solid Reliability and Security,
Optimum Efficiency and Energy Saving, and Intelligent O&M



Introduction



2288 V8 (front cable routing)



2288 V8 (24 drives)

The FusionServer 2288 V8 is a next-generation 2U2P rack server tailored to meet the demands of AI inference, cloud computing, virtualization, High-Performance Computing (HPC), graphics processing, VDI, and big data analytics.

Offering low power consumption, unmatched scalability, solid reliability, and ease of management and deployment, the 2288 V8 is an ideal choice for addressing massive workloads in industries such as Internet, telecom, government and enterprise, finance, and manufacturing.

Highlight

Supreme Computing

- 2 x Intel® Xeon®6 6700P/6500P/6700E series processors
- PCIe5.0 protocol and 10 x standard PCIe slots and 2 x OCP 3.0 slots
- High-speed flash memory and diverse configurations: 8/16/24 x 2.5 inch SAS/SATA/NVMe SSDs; 12 x 3.5inch SAS/SATA SSDs

Outstanding Security

- Enhanced Maintenance Efficiency: Quick, precise PCIe link fault diagnosis, boosting efficiency by 50%
- Reduced System Downtime: Industry-exclusive AI memory self-healing, with precise memory link diagnosis, cutting downtime by 66%

Optimal Energy Efficiency

- Dynamic Energy Management: Intelligent, non-disruptive tuning based on workloads, achieving peak energy efficiency without rebooting
- Industry-Leading Power Supply: 97% power conversion efficiency, driven by three core innovations, setting the benchmark

Technical Specification

Form Factor	2U Rack Server
Processors	2 x Intel® Xeon®6 6700P/6500P/6700E Scalable processors with TDP 350W per processor
Memory	32 x memory slots available for DDR5 DIMMs at up to 6400 MT/s or MRDIMMs at up to 8000 MT/s
Local Memory	Hot-swappable drives configurations: - 24 x 2.5 " SAS/SATA/NVMe drives - 12 x 3.5 " SAS/SATA drives - 8 x 2.5" SAS/SATA/NVMe drives Flash storage: 2 x M.2 SSDs, hardware RAID, and hot swap
RAID	RAID 0, 1, 10, 1E, 5, 50, 6, or 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	Multiple network expansion capabilities; 2 x FlexIO card slots dedicated for OCP 3.0 NICs, which can be configured as required; supporting hot swap and PCIe 5.0
PCIe Expansion	Up to 10 x PCIe slots, supporting PCIe 5.0
Fans	4 x hot-swappable counter-rotating fans in N+1 redundancy
PSU	900 W/1200 W/1500 W/2000 W/3000 W Platinum/Titanium hot-swappable PSUs in 1+1 redundancy
Management	The iBMC chip integrates one dedicated management GE network port, providing comprehensive management features such as fault diagnosis, automatic O&M, and hardware security hardening. - The iBMC supports standard interfaces such as Redfish, SNMP, and IPMI 2.0, provides a remote management user interface based on HTML5/VNC KVM; supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management - It is optional to configure the FusionDirector management software that provides advanced management features such as five intelligent technologies, enabling intelligent, automatic, visualized, and refined management throughout the lifecycle
OS	Microsoft Windows Server, SUSE Linux Enterprise Server, VMware ESXi, Red Hat Enterprise Linux, Oracle, Ubuntu, and openEuler
Security	Power-on password, administrator password, Trusted Platform Module (TPM) 2.0, security bezel, secure boot, and chassis intrusion detection
Operating Temperature	5°C to 45°C (41°F to 113°F), compliant with ASHRAE Classes A1/A2/A3/A4
Certification	CE, UL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimension (H×W×D)	86.1 mm x 447 mm x 798 mm (3.39 in. x 17.60 in. x 31.42 in.)



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