XFUSION

FusionServer

2288 V8 Rack Server

Powerful performance | Solid Reliability and Security
Optimum Efficiency and Energy Saving

XFUSION INTERNATIONAL PTE. LTD.

Rack Server
FusionServer 2288 V8

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.

Highlights

Supreme Computing

- **Power-Packed Performance:** 2 x Intel® Xeon®6 6700P/6500P/6700E series processors
- **Exceptional Scalability:** 10 x standard PCIe slots and 2 x OCP 3.0 slots at the rear; 3 x standard PCIe slots at the front; supporting PCIe 5.0 and front cabling
- **High-Speed Flash Memory And Diverse Configurations:** (1) Up to 20 x 3.5" drives*; (2) Up to 33 x 2.5" drives*; (3) Up to 36 x E3.s 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%

Optimized 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

*Configuration details are subject to the technical white paper

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Technical Specifications

Form Factor	2U Rack Server
Processor	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 Storage	Hot-swappable drives configurations: - Up to 20 x 3.5" drives* - Up to 33 x 2.5" drives* - Up to 36 x E3.s SSDs* 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	Rear: 10 x standard PCIe slots and 2 x OCP 3.0 slots; front: 3 x standard PCIe slots; supporting PCIe 5.0 and front cabling
GPU Card	4 x dual-width GPU cards*
Fan	4 or 6 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, NRTL, CCC, FCC, VCCI, and RoHS
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	86.1 mm x 447 mm x 798 mm (3.39 in. x 17.60 in. x 31.42 in.)

*Configuration details are subject to the technical white pape

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