XFUSION

FusionServer

1288 V8 Rack Server

Exceptional Computing | Outstanding Security
Optimal Energy Efficiency



XFUSION INTERNATIONAL PTE. LTD.

Rack Server
FusionServer 1288 V8

Introduction



1288 V8 (10 drives)

The FusionServer 1288 V8 is a next-generation 1U2P rack server specifically designed to meet the demands of virtualization, High-Performance Computing (HPC), and Office Automation (OA).
Its compact design, solid reliability, and ease of management and deployment make it an ideal choice for dealing with business requirements in industries such as Internet, government and enterprise, and finance.

Highlights

Exceptional Computing

- **Compact Deployment:** 1U space for 2 x Intel® Xeon® 6 processors, with up to 144 cores and a maximum TDP of 350 W per processor; 32 x memory slots available for DDR5 DIMMs at up to 6400 MT/s or MRDIMMs at up to 8000 MT/s
- **Fast Storage:** 10 x 2.5" SAS/SATA/NVMe drives, 4 x 3.5" SAS/SATA drives*, or 16 x E3.S SSDs*
- **Powerful Scalability:** 3 x standard PCIe slots at the rear; 5 x standard PCIe slots at the front; supporting PCIe 5.0 and front cabling

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 Technology:** intelligent, non-disruptive tuning based on workloads, achieving peak energy efficiency without rebooting
- **Industry-Leading Power Technology:** 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	1U rack server
Processor	2 x Intel® Xeon® 6700P/6500P/6700E processors, each with up to 350 W TDP
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 drive configurations: - 8/10 x 2.5" SAS/SATA/NVMe drives - 4 x 3.5" SAS/SATA drives* - 16 x E3.S SSDs* - 2 x M.2 SSDs, supporting hardware RAID
RAID	RAID 0, 1, 10, 5, 50, 6, and 60; supercapacitors for cache data protection from power failures; RAID level migration, drive roaming, self-diagnosis, and remote web-based configuration
Network	2 x hot-swappable OCP 3.0 NICs, supporting PCIe 5.0, NCSI, and multi-host
PCIe Expansion	Rear: 3 x standard PCIe slots; front: 5 x standard PCIe slots; supporting PCIe 5.0 and front cabling
Fan	8 x hot-swappable counter-rotating fans in N+1 redundancy
PSU	900 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 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, and supports out-of-band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control for simplified management. - It is optional to configure FusionDirector that enables intelligent, automatic, visualized, and refined management throughout the server 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 Class A1/A2/A3/A4
Installation Suite	L-shaped guide rails, adjustable guide rails, and holding rails
Dimensions (H x W x D)	43 mm x 447 mm x 798 mm (1.69 in. x 17.60 in. x 31.42 in.)

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