

TS250LV3

MAINSTREAM HIGH COST-EFFECTIVENESS

AETHLUMIS TS250LV3 is a 4U rackmount storage server based on 4th or 5th Gen Intel® Xeon® Scalable Processors, featuring a standard E-ATX motherboard design. This product delivers exceptional computing performance and ultra-high cost-effectiveness, making it widely suitable for applications such as Big Data, Cloud Storage, Distributed Storage, Warm Storage, and Cold Storage.



EXTREME PERFORMANCE & ULTRA-HIGH COST-EFFECTIVENESS

- Supports 2 x 4th or 5th Gen Intel® Xeon® Scalable Processors with TDP up to 385W, providing powerful computational performance.
- Supports 16 x DDR5 memory modules with speeds up to 5600MT/s, increasing memory bandwidth by 75%.
- Based on a standard E-ATX board design, it meets mainstream workload demands while offering exceptional cost-effectiveness.

MASSIVE STORAGE & ELASTIC CONFIGURATION

- Supports up to 36 x 3.5-inch hard drives, providing a maximum local storage capacity of up to 700TB, easily meeting massive storage application needs.
- Supports 4 x U.2 NVMe SSDs, delivering ultra-high storage I/O performance for tiered storage requirements.
- Excellent expandability with support for up to 6 standard PCIe 5.0 expansion slots.

STABLE, RELIABLE & INTELLIGENT MANAGEMENT

- Key system components feature redundant and hot-swappable designs, complemented by tool-less maintenance, enhancing fault recovery efficiency and system availability.
- Integrated intelligent management chip provides an open management platform supporting IPMI 2.0, SOL, KVM, Virtual Media, and other functions.
- Supports various remote management functions including KVM, Virtual Media, status monitoring of key components, and anomaly alerts, enabling comprehensive remote system-level intelligent management.

TECHNICAL SPECIFICATIONS

Feature	Specification
Form Factor	4U Standard Rackmount
Processors	1/2 x 4th or 5th Gen Intel® Xeon® Scalable Processors, TDP up to 385W
Chipset	Intel C741
Memory	16 x DDR5 DIMM slots, 1DPC, up to 5600MT/s Supports RDIMM, 3DS RDIMM, maximum capacity 4TB
Storage Controller	Optional various RAID cards or SAS HBA cards
Local Storage	Front: Up to 24 x 3.5" drive bays Rear: Up to 12 x 3.5" + 2 x 2.5" drive bays Internal: Supports 2 x M.2 (PCIe 4.0 x4, 2280 & 22110) Maximum support for 4 x U.2 NVMe SSDs
PCIe Expansion	Supports 6 standard expansion slots (4 x x16 + 2 x x8)
Network	1 x 1Gb RJ45 dedicated management port 2 x 1Gb RJ45 data ports, support NCSI
Management	Integrated BMC management chip (AST2600), supports IPMI 2.0, SOL, KVM, Virtual Media, etc. Provides 1 x 1Gbps RJ45 dedicated management port
Security	Optional TPM/TCM security module; Chassis intrusion detection; Lockable chassis cover
Cooling	6 x hot-pluggable fan modules, support N+1 redundancy, intelligent speed control, and anomaly alerts
Power Supply	Configurable with 2 power modules, supports 1+1 redundancy, hot-pluggable. Input options: 220V AC / 240V DC Option: 1300W high-efficiency Platinum power supply
I/O Ports	Front: 1 x VGA, 2 x USB 3.0 Rear: 1 x VGA, 4 x USB 3.0, 1 x RJ45 management port, 1 x COM port, 2 x 1Gb RJ45 data ports
Dimensions	Width 448mm x Height 175mm x Depth 660mm (680mm including mounting ears)

Temperature	Operating: 5°C to 35°C (without direct sunlight) Non-operating: -40°C to 65°C
Humidity	Operating: 8% to 90% RH (non-condensing) Non-operating: 5% to 95% RH (non-condensing)
OS Support	Supports mainstream operating systems including Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Oracle Linux, VMware ESXi, Citrix XenServer, etc. (Please consult sales for specific version support)

DATA CENTER SOLUTIONS BASED ON BUSINESS OBJECTIVES

- Maximize the value of your IT and enterprise solutions with a business-focused approach that helps reduce IT complexity, lower costs, and improve efficiency. While leveraging your existing technologies, we seamlessly integrate innovative, customized solutions designed to meet your specific needs. Based on your business applications, we deliver an efficient, agile, open, and intelligent end-to-end data center solution that simplifies IT, addresses business challenges, and continuously creates value for your organization. For more information, please contact your sales representative.

FOR MORE INFORMATION, PLEASE VISIT WWW.AETHLUMIS.COM

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