

TF21V3

FLAGSHIP RACK SERVER

AETHLUMIS TF21V3 is a high-end 2U server with a wide range of uses. Based on the latest Intel platform, it has achieved a comprehensive breakthrough in computing, storage and network. It adopts modular design, Supports rich specification selection and strong expansion ability, and can be flexibly configured according to business needs. It can be widely used in virtualization, cloud computing, database and artificial intelligence applications.



EXTREME PERFORMANCE, MEETS CRITICAL APPLICATION REQUIREMENTS

- Supports 2x 4th/5th Gen Intel® Xeon® Scalable Processors, adopts the new microarchitecture core, powerful computing performance;
- Supports 32x DDR5 DIMMs, with a maximum frequency of 5600MHz and a 75% increase in memory bandwidth;
- Supports PCIe 5.0, double the bandwidth, which greatly improves the system's scalability.

FLEXIBLE CONFIGURATION ON DEMAND

- Decoupler design of hardware modules enables flexible configuration of computing, storage and network to meet different business requirements;
- Supports flexible selection of 3.5" or 2.5" hard disk modules, up to 24x U.2 NVME;
- Supports up to 10x PCIe slots, optional PCIe 5.0 or PCIe 4.0;
- Supports OCP3.0 NIC, optional extension 4x1GbE / 2x10Gb SFP+/ 4x10Gb SFP+/ 2x25Gb SFP28 network configuration.

STABLE, RELIABLE, INTELLIGENT MANAGEMENT

- The key components of the system adopt redundant and hot-swap design, Supports tool-free disassembly and assembly, improve maintenance efficiency and system availability;
- Integrated intelligent management chip, provides an open management platform, Supports IPMI2.0, Redfish, SNMP and other management protocols;
- Supports various management functions such as remote KVM, virtual media, key component status monitoring, abnormal alarm, etc., realizing comprehensive remote system intelligent management;

TECHNICAL SPECIFICATIONS

Item	Specifications
Form Factor	2U rackmount
CPU	Up to 2x 4th/5th Gen Intel® Xeon® Scalable Processors, TDP up to 385W
Chipset	Intel®C741
Memory	32x DDR5 memory slots, 16 channels in total, up to 5600MHz RDIMM/3DS RDIMM Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB, maximum Supports 12TB memory capacity
Controller	Onboard integrated 6Gb/s SATA controller, Supports RAID 0/1/10/5 Optional 12Gb/s SAS HBA card and SAS RAID card based on standard PCIe slot
Storage	Front: up to 12x 3.5" or 25x 2.5" hard drives Rear: up to 4x 3.5"+2x 2.5" hard drives or 2x 3.5"+4x 2.5" hard drives Built-in: 2x M.2(2280/22110, PCIe 4.0x4) Up to 24x U.2 NVME
PCIe Slots	Up to 10x PCIe slots
GPU	Up to 3x FHFLDW GPUs or 6 FHFLSW GPUs
Network	1x 1GbE RJ45 dedicated management network port 1x OCP3.0 NIC slot, optional 4x1GbE / 2x10Gb SFP+/ 4x10Gb SFP+/ 2x25Gb SFP28 OCP network card
I/O Ports	Front: 1x VGA, 2xUSB3.0, 1xLCD MiniUSB Rear: 1x VGA, 2x USB3.0, 1x RJ45 management network port, 1x COM
Security	Optional TPM/TCM, chassis intrusion detection, lockable cover
Power Supply	2x hot-swap/redundant: 800W/1300W/1600W/2000W 80 PLUS Platinum; Optional 240V DC/336V DC/-48V DC 80 PLUS Platinum
System Cooling	4x hot-swap fan modules, Supports N+1 redundancy, Supports intelligent speed regulation and abnormal alarm
Dimensions	Width 447mm × height 87mm × depth 788mm (with panel 808mm)

Operating Environment	Standard working temperature: 5°C to 35°C (without direct sunlight) Extended operating temperature: 5°C to 40°C (limited configurations are met) Transport storage temperature: -40°C to 65°C
Operating Humidity	0% - 90%
Operating Systems	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu、Oracle Linux、VMware ESXi、Citrix XenServer Please consult the sales staff for the specific version

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.

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