

TF20V2

FLAGSHIP RACK SERVER

AETHLUMIS TF20V2 is a 2U dual-processor general-purpose server based on 2nd/3rd generation AMD EPYC Processors (7002&7003 series). The product adopts a modular design method, with excellent computing performance and rich expansion capabilities, achieving excellent cost performance and energy consumption ratio. It can be flexibly configured according to business needs, and is suitable for cloud computing, virtualization, high performance computing and artificial intelligence applications.



EXTREME PERFORMANCE MEETS CRITICAL APPLICATION REQUIREMENTS

- Supports two 2th/3rd Gen AMD EPYC series CPUs, single CPU has up to 64 cores and 128 threads, maximum TDP 280W;
- Supports 32x DDR4 DIMMs, frequency up to 3200MHz, can provide excellent memory bandwidth and capacity.

HIGH SCALABILITY, FLEXIBLE CONFIGURATION

- Hardware module of decoupling design, realized the computation, storage, network, flexible configuration, meet the different needs of the business;
- Supports flexible selection of 3.5 "or 2.5" hard disk modules, up to 6x NVME U.2;
- Supports up to 10 standard PCIe extension slots;
- Supports OCP NIC 3.0 network extension, optional extension 4x1GbE / 2x10Gb SFP+/ 4x10Gb SFP+/ 2x25Gb SFP28 Network configuration.

STABLE, RELIABLE, INTELLIGENT MANAGEMENT

- The key components of the system are redundant, hot swap design, and Supports tool-free disassembly, improve the efficiency of fault maintenance, improve the availability of the system;
- Integrated intelligent management chip, providing open management platform, Supporting IPMI2.0, Redfish, SNMP and other management protocols;
- Supports remote KVM, virtual media, critical component status monitoring, abnormal alarm and other management functions, to achieve a comprehensive remote system-level intelligent management.

TECHNICAL SPECIFICATIONS

Item	Specifications
CPU	Supports 2 AMD EPYC™ Rome/Milan/ Milan-X CPUs, up to 64 cores per chip, maximum TDP 280W 4 xGMI links interconnect
Memory	32x DDR4 memory slots, a total of 16 channels, up to 3200MHz
Memory type	Supports RDIMM/LRDIMM, maximum Supports 8TB memory
Storage controller	Integrated 6Gb/s SATA controller; Optional Supports for 12Gb/s SAS HBA and 12Gb/s SAS RAID controller
Storage	Front: Supports up to 12x 3.5" or 25x 2.5" hard disks Built-in: Supports 2x M.2 (2280, compatible with PCIe 4.0x2 & SATA 3.0) Rear: Supports up to 6x 2.5" hard disks or 2x 2.5" hard disks +4x 3.5" hard disks
PCIe Slots	Up to 10x PCIe 4.0 slots
GPU	Up to 3x FHFLDW GPUs or 8x FHFLSW GPUs
Network	1x 1GbE RJ45 dedicated management network port Supports 1x OCP 3.0 SFF expansion card, optional 4x1GbE / 2x10Gb SFP+/ 4x10Gb SFP+/ 2x25Gb SFP28
I/O Ports	Preset: 1x VGA, 2x USB3.0 Rear: 1x VGA, 2x USB3.0, 1x RJ45 management network port, 1x COM, 1x OCP3.0 NIC slot
Management	Integrated BMC management chip, Supports IPMI2.0, Redfish, SOL, KVM, virtual media and other functions
Security	Optional TPM/TCM, chassis intrusion detection, lockable cover
Power Supply	Up to 2 hot-swap/redundant: 550W/800W/1300W/1600W/2000W 80 PLUS Platinum; Optional 240V DC/336V DC/-48V DC
System Cooling	4 hot-swap fan modules, Supports N+1 redundancy, Supports intelligent speed regulation and abnormal alarm

Dimension	2U rackmount, width 448mm x height 87mm x depth 783mm (without panel 763mm)
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	8% - 90%
OS	Microsoft Windows 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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