

TF20LV3

DUAL-PROCESSOR UNIVERSAL SERVER

AETHLUMIS TF20LV3 is a versatile 2U dual-processor universal server based on the 4th/5th Gen Intel® Xeon® Scalable processors with E-ATX standard board design, this product has excellent computing performance and high cost-effectiveness, suitable for applications such as cloud computing, virtualization, distributed storage, and hyperfusion.



BALANCED CONFIGURATION WITH ULTRA-HIGH COST-EFFECTIVENESS

- Supports 2 x 4th/5th Gen Intel® Xeon® Scalable processors, supporting up to 385W TDP, with strong computing performance;
- Supports 16 x DDR5 DIMMs, with a maximum frequency of 5600MT/s and a 75% increase in memory bandwidth;
- Based on the E-ATX standard board design, it has ultra-high cost-effectiveness when meeting mainstream load demands

FLEXIBLE CONFIGURATION AND STRONG SCALABILITY

- Flexible and optional storage modules, compatible with 3.5 "and 2.5", supporting NVMe/SAS/SATA options;
- Supports up to 6 x U.2 NVMe to meet mainstream application requirements;
- Excellent scalability, supporting up to 6 x standard PCIe 5.0 expansion slots.

STABLE, RELIABLE, AND INTELLIGENT MANAGEMENT

- The key components of the system are designed with redundancy and hot swapping, while supporting tool free disassembly and assembly to improve fault maintenance efficiency and system availability;
- Integrated intelligent management chip, providing an open management platform, supporting multiple management protocols such as IPMI2.0, SNMP, etc;
- Supporting various management functions such as remote KVM, virtual media, critical component status monitoring, and abnormal alarms, achieving comprehensive remote system level intelligent management.

TECHNICAL SPECIFICATIONS

Function	Specification parameters
Form	2U standard rack mounted
Processor	1/2 4th/5th Gen Intel® Xeon® Scalable processor, supporting up to 385W TDP
Chipset	Intel C741
Memory	16 x DDR5 memory slots, 1DPC, up to 5600MT/s
Memory type	supports RDIMM/3DS RDIMM, with a maximum supports of 4TB of memory
Storage controller	Integrated 6Gb/s SATA controller; Optional supports for 12Gb/s SAS HBA and 12Gb/s SAS RAID controller
Local storage	I Front end: supports up to 12 x 3.5-inch hard drives, with 8 x optional 3.5-inch hard drives available I Built-in: supports 2 x M.2 (PCIe 4.0 x4, 2280&22110) I Rear: supports 2 x 2.5-inch hard drives supports up to 6 x U.2 NVMe SSDs
PCIe extension	supports 6 x standard expansion slots (4 x16+2 x8)
Network	1 x 1Gb RJ45 dedicated management network port 2 x 1Gb RJ45 data network ports, supporting NCSI
Port	Front end: 1 x VGA, 2 x USB 3.0 Rear: 1 x VGA, 4 x USB 3.0, 1 x RJ45 management network port, 1 x COM port, and 2 x 1Gb RJ45 data network ports
Management function	Integrated BMC management chip AST2600, supporting functions such as IPMI2.0, SOL, KVM, virtual media, etc
Safety	Optional TPM/TCM security module, intrusion detection when opening the chassis cover, and locking the upper cover of the chassis
Power supply	Can be configured with 2 x power modules, supports 1+1 redundancy, and supports hot swapping Optional 220V AC/240V DC Optional 800W/1300W high-efficiency platinum power supply

Fan	supports 4 x hot swappable fan modules, supports N+1 redundancy, intelligent speed regulation, and abnormal alarms
Chassis size	Width 448mmx Height 87mmx Depth 660mm (including hanging ears 680mm)
Temperature	Working temperature: 5 ° C -35 ° C (without direct sunlight) Storage temperature: -40 ° C -65 ° C
Humidity	Working relative humidity: 8% to 90% (non condensing) Storage relative humidity: 5% to 95% (non condensing)
OS	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu、Oracle Linux、VMware ESXi、Citrix XenServer mainstream operating systems Please consult sales personnel for specific versions

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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