

TG550V3

FLEXIBLE AND EFFICIENT GPU SERVER

TG550V3 is a 4U tower type 4-card GPU server based on the latest 4th/5th Gen Intel® Xeon® Scalable processors construction with high cost-effectiveness, high performance, excellent scalability, high reliability, and other characteristics. It can support various types of GPU cards and supports two forms: rack and tower, which can better meet the needs of customers in various application scenarios and provide the best hardware platform for applications such as artificial intelligence, modeling and simulation, and graphic rendering.



EXCELLENT PERFORMANCE AND HIGH COST-EFFECTIVENESS

- Supports 2 x 4th/5th Gen Intel® Xeon® Scalable processors with a maximum TDP of 385W and strong computing performance;
- Supports 4 x double-width, FHFL GPUs, with a maximum power consumption of 450W and strong heterogeneous computing performance;
- Supports 16 x DDR5 DIMMs, with a maximum frequency of 5600MHz and a 75% increase in memory bandwidth;

FLEXIBLE CONFIGURATION AND STRONG SCALABILITY

- Supports two forms: rack and tower, meeting the needs of various scenarios in data centers and workstations;
- Flexible local storage, supporting 12 x 3.5-inch hard drives, optional SAS/SATA/NVMe;
- Excellent scalability, supporting 7 x standard PCIe 5.0x16 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, Redfish, 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	Specifications
Form	4U tower type, supporting two forms: rack type and tower type
Processor	Supports 2 x 4th/5th Gen Intel® Xeon® Scalable processors, supporting up to 385W
Chipset	Intel C741
Memory	16 x DDR5 memory slots, 1DPC, up to 5600MHz Supports for RDIMM, 3DS RDIMM, and up to 4TB of memory
Storage Controller	Integrated 6Gb/s SATA controller, optional support for 12Gb/s SAS HBA and 12Gb/s SAS RAID card
Storage	Supports 12 x 3.5-inch hard drives with optional SAS/SATA/NVMe Supports 2 x M.2 (2280/22110, PCIe 4.0x4)
PCIe extension	7 x standard PCIe 5.0 expansion slots 4 x PCIe 5.0 x16 double-width slots 2 x PCIe 5.0 x16 single-width slots 1 x PCIe 5.0 x8 single-width slot
GPU	Up to 4 x double-width, FHFL GPUs can be supported
Network	1 x 1Gb RJ45 dedicated management network port 2 x 1Gb RJ45 data network ports and LAN1 supports NCSI
Manage	Integrated BMC management chip AST2600, supporting functions such as IPMI2.0, Redfish, SOL, KVM, virtual media, etc Provide 1 x 1Gbps RJ45 dedicated management port
Safety	Supports TPM security module, intrusion detection when opening the chassis cover, and lock the upper cover of the chassis
Fan	Standard with 4 x system fans (8038, 14000 RPM) Optional 4 x rear fans (8038, 14000 RPM)
Power supply	Can be configured with 2 x power modules, supports 1+1 redundancy, and supports hot swapping Optional 220V AC/240V DC input Optional 1600W/2000W/2400W/2700W high-efficiency platinum power supply
I/O interface	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, 2 x 1Gb RJ45 data network ports

CD drive	Optional supports for built-in optical drive
Grounding	Rack style support for tool free installation of rails
Security panel	Supports for optional safety panels
Size	437x175x683mm (rack mounted form)
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)
Operating system support	Microsoft Windows Server、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu、Oracle Linux； 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.

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