

TG581V2

HIGH COST-EFFECTIVE 8-CARD GPU SERVER

TG581V2 is a versatile dual-processor 4U8 cards GPU server based on AMD SP3 platform, supporting the full range of Rome and Milan CPUs, and supporting 8 x 450W dual-width GPUs. It has excellent performance, strong scalability, and high reliability, and is suitable for applications such as artificial intelligence, large model inference, rendering, cloud gaming, etc.



EXCELLENT PERFORMANCE AND HIGH COST-EFFECTIVENESS

- Supports 2 x AMD EPYC™ 7002/7003 series processors, with a maximum of 128 cores;
- Supports 8 x 450W GPU cards, providing ultimate heterogeneous computing power;
- GPU direct design, no need for PCIe Switch adapter, ultra-high cost-effectiveness.

FLEXIBLE CONFIGURATION AND ON-DEMAND SELECTION

- Supports up to 11 x PCIe 4.0 standard slots, with multiple PCIe configurations to choose from;
- Choose 1 x OCP 3.0 network card with multiple speed options;
- Supports 8 x 3.5 "/2.5" SAS/SATA hard drives, with the option to support 2/4 NVMe SSDs, balancing large capacity and high-performance local storage.

STABLE, RELIABLE, AND 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 various management functions such as remote KVM, virtual media, status monitoring of key components, and abnormal alarm, and realizes a comprehensive remote system-level intelligent management.

TECHNICAL SPECIFICATIONS

Function	Specification parameters
Product form	Standard 4U rackmount
CPU	Supports 2 x AMD EPYC™ 7002/7003 processors, TDP 280W
Memory	Supports 32 x DDR4 DIMMs, up to 3200MT/s, RDIMM/LRDIMM
RAID card	Optional supports for 12Gb/s SAS HBA and 12Gb/s SAS RAID card
GPU	Supports 8 x dual-width GPUs, TDP 450W
PCIe extension	Supports up to 11 x standard PCIe 4.0 slots Optional supports for 1 x OCP 3.0 network card, PCIe 4.0 x8, optional 4x1GbE/2x10Gb SFP+/2x25Gb SFP28
Local storage	Supports 8 x 3.5 "/2.5" SAS/SATA drive bays (optional support for 2/4 U.2 NVMe SSDs) Supports 1 x onboard M.2, 2280&22110 sizes, PCIe 2.0 x1
I/O ports	Front: 2 x USB 3.0 and 1 x VGA Rear: 1 x COM, 2 x USB 3.0, 1 x VGA, and 1 x RJ45 management port
Fan	8 x 8056 high-speed fans, N+1 redundancy, supporting hot swapping
Power supply	4 x platinum grade CRPS power modules (2000W/2700W), supporting hot swapping and 2+2/3+1 redundant mode
Management function	Integrated BMC management chip AST2600, supporting IPMI2.0 Redfish、 SOL、 KVM、 Virtual media and other functions Provides 1 x 1Gbps RJ45 dedicated management port
Safety function	Optional TPM/TCM security module for security functions, intrusion detection when opening the chassis cover, and locking the upper cover of the chassis (tool free)
Chassis size	W 448mmx H 175mmx D 822mm (including 842mm hanging ears)
Temperature	Working temperature: 5 °C -35 °C Storage temperature: -40 °C -65 °C
Humidity	Working relative humidity: 8% to 90% (non-condensing) Storage relative humidity: 5% to 95% (non-condensing)
OS	The operating system supports mainstream operating systems such as Microsoft Windows Server, Red Hat Enterprise Linux, CentOS, Ubuntu, etc 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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