ZTE R5200 G5 Rack Server Highlight

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The R5200 G5 is a new-generation of 1U2-socket general rack server supporting two Intel® Xeon® 4th/5th generation scalable processors (Eagle Stream). With a high-density, modular, and streamline design, the R5200 G5 features high performance, high reliability, easy expansion, and easy management, which is widely applicable to the Internet, cloud computing, big data and virtualization fields.

1. High Density, High Performance

■ Supports two Intel 4th/5th Generation Intel® Xeon® Scalable Processors (Eagle Stream) with a single processor of up to 64 cores.

■ Provides dual CPUs for high-speed interconnection, and up to three UPIs for fast channel interconnection. The transmission rate can reach 20GT/s.

■ Provides 32 DDR5 memory slots, with a maximum rate of 5,600MT/s

■ Provides high-speed I/O performance, and supports high-performance NVMe SSDs.

2. High Scalability, High Bandwidth

■ Provides a maximum of twelve 2.5" disks to meet the requirements for large-capacity storage.

■ Supports a maximum of twelve NVMe SSDs, provides high-speed I/O interfaces, and solves the bottleneck of slow hard disk access in traditional solutions.

■ Provides powerful expansion capability, and supports up to six PCIe 5.0 expansion slots.

■ Supports two OCP3.0 standard NICs (x16+x8).

■ Provides the powerful computing capability and supports two high-performance GPUs.

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3. High Availability, High Reliability

■ Provides a good heat dissipation design to improves system reliability and effectively extend the life of components and reduces costs.

■ The hard disks, power supplies, and fans support hot swapping, improving the availability of the system.

■ Supports RAID 0,1,5,6,10,50,60 and power-off protection, and provides multiple data protection solutions for users.

■ Power modules support 1+1 redundancy, and fans support N+1 redundancy, improving system reliability.

■ Supports TPM/TCM

4. Convenient Management, Easy Maintenance

■ Provides the Intelligent management platform, implementing out-of-band monitoring of resources such as CPUs, memories, hard disks, fans, power supplies, and networks.

■ Supports standard interfaces such as IPMI, SNMP, and Redfish, so that the device can be integrated with third-party management systems.

■ Supports automatic deployment, firmware upgrade, and remote operations to improve deployment and O&M efficiency.

■ Provides powerful KVM functions.

5. Green, Energy Saving, Environment Protection

■ 80PLUS high-efficiency platinum/titanium power supplies are used to support power capping.

■ Supports high-voltage DC and low-voltage DC technologies to improve energy utilization.

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■ Intelligent rotation speed adjustment and silence design

■ Lead-free design and environmental protection

6. Technical Specifications

Specification	R5200 G5 Rack Server
Features	
Form	1U rack server
Processor	Supports 1/2 Intel®Xeon® 4th/5th-generation scalable processors (Eagle Stream)
Chipset	Intel C741
Memory	Supports thirty-two DDR5 memory slots with a maximum rate of 5,600MT/s
Interconnection bus	Provides three UPI interconnection links. The maximum rate of a single link is 20GT/s. Provides x4 DMI high-speed channels.
Hard disk controller	Supports RAID 0/1/5/6/10/50/60 and power-off protection
Local storage	Front storage hard disks: 10x2.5 "slot, SAS/SATA is supported, NVMe SSD is optional, and hot swapping is supported. Rear storage hard disks: 2x2.5"slots, supports SAS/SATA is supported, NVMe SSD is optional, and hot swapping (optional)
IO module	
Network resources	Supports two OCP3.0 interfaces, one of which supports PCIE5.0 x16 and the other supports PCIE5.0 x8.
PCIe slot	Supports up to 6 PCIe slots: Supports maximum of three PCIe standard slots Two dedicated OCP slots One built-in dedicated RAID card slot
External device interface	Five USB interfaces (two rear USB3.0 interfaces, one front USB3.0 interface, one internal USB3.0 interface, one for front USB2.0 interface) Two VGA interfaces (one front end and one back end) One serial port
Device Management interface	One independent GE management network port
Display	Integrated video card, supporting optional PCIe standard video cards

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OS	
Compatible OS	Compatible with the existing mainstream server operating systems: Microsoft Windows Sever, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, VMware ESXi, and CGSL
Physical Features	
Power	Supports 1+1 hot/swappable redundant power supply (Optional) 550W/800W/1200W/1600W/2000W high-effciency platinum power supply (Optional) 800W/1300W/1600W/2000W high-efficiency titanium power supply Supports 110V/220 V AC, 240V/336 V high-voltage DC, and-48V DC.
Fan	Eight high-efficiency fans, N+1 redundancy, and intelligent heat-dissipation system
Ambient conditions	Operating temperature: +5ºC to +45ºC (The operating temperature depends on different configurations. For details, see the technical documentation.) Storage temperature: -40ºC to +65ºC Operating humidity: 8% to 90% RH, no condensation Transport storage humidity: 5% to 95% RH, no condensation Altitude: <3,000m. When the altitude is 900m higher, the operating temperature will decrease by 1℃ for every 300m increase in altitude. Mechanical disks cannot be configured for devices larger than 3,000m
Size	432mm x 43mm x 780mm (W x H x D), excluding flanges and guide rails Standard 19-inch. rack (>=1 m deep)
Weight in full configuration	Maximum configuration: About 27kg (excluding rails)
Related certificate	CE, CCC, CQC, etc

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