



2U Rack Server R620 Z50M



Product Description

The R620 Z50M is a product equipped with fourth/fifth generation Intel technology® Xeon® A 2U rack server with expandable processors. We fully consider the balance between performance and cost while meeting the needs of numerous customers. Suitable for application scenarios such as cloud computing, virtualization, big data processing, office systems, etc.

Key Features and Highlights

Excellent performance, high cost-effectiveness

- Excellent performance, high cost-effectiveness Supports 4th/5th generation Intel chips® Xeon® Scalable processor and built-in accelerator provide powerful performance for various businesses
- Equipped with 16*DDR5 memories, the memory bandwidth is increased by 50%
- Compatible with 12*3.5-inch and 2*2.5-inch hard drives, compatible with NVMe SSDs, meeting various storage configurations
- Provide 2 Gigabit Ethernet ports, 1*OCP 3.0, and 6*PCIe expansion slots for flexible expansion

Flexible configuration and convenient operation and maintenance

- Hardware decoupling enables flexible configuration of computing, networking, and storage to meet different business needs
- Onboard supports PCIe slots for flexible expansion as needed

Efficient and energy-saving, ultimate calmness

- New structural design, with a 15% increase in air intake area and an 8% improvement in heat dissipation performance
- Exclusive customized fan, air volume increased by 30%, power consumption reduced by 15%
- BMC customized speed regulation, dynamically adjusting for multiple configurations and loads to save energy consumption





Product Specifications

Processor	Supports 2*4th/5th Gen Intel® Xeon® Scalable Processors .
Memory	16*DDR5 slots, up to 5600MHz. Supports multiple protection modes such as memory ECC and memory mirroring.
Storage Controller	Supports RAID 0/1/10/5/50. When configuring RAID control, it can support Cache supercapacitor protection, provide RAID level migration, disk roaming, self diagnosis, web remote settings and other functions, and support RAID secure boot.
Local Storage	Max 12*3.5" and 2*2.5" drives (12* NVMe compatible). Internal: 2* M.2
Network Interfaces	Onboard 2*Gigabit RJ45 interfaces 1*OCPI 3.0 slot with NCSI.
PCIe Expansion	5*PCIe 5.0 slots+1*PCIe 4.0 slots .
Additional Interfaces	Rear: 1*RJ-45 management port, 2*USB 3.0, 1*VGA. Front: Optional 2*USB 3.0 + VGA or USB 2.0
Power Supply	800W/1300W/2000W/2200W CRPS Titanium/Platinum PSU (hot-swappable, 1+1 redundant). Voltage: 100-240Vac (refer to nameplate).
Fans	3*hot-swappable fans.
Management	Integrated BMC with 1Gbps RJ-45 port. Supports Redfish, SNMP, IPMI 2.0, HTML5/iKVM remote control. BMC dual-flash backup.
OS Support	Windows Server, RHEL, SLES, CentOS, Ubuntu, VMware ESXi, Kylin, RedFlag, etc.
Operating Temperature	5° C ~ 45° C
Chassis Dimensions	723mm (L)* 482mm (W)*87mm (H). (with ears)
Packaging Dimensions	1000mm (L)*600mm (W)*260mm (H).
Weight	Max 40kg (varies by configuration).

Ordering Information

Part Number	Product Configuration		
	Front Configuration	Rear Configuration	Kits
A12000 NN2N	12*3.5" drives (SATA/SAS) 2*USB3.0+1*VGA	➤ 2*2.5" drives (SATA/SAS) ➤ 1*RJ45 Management Interface, 2*USB3.0, 1*VGA 3*x8+2*x16 PCIE 5.0, 1*x4 PCIE 4.0, 2*1G Electric port 1300W Redundant Power	➤ 2*Heat Sinks, TDP<270W 2*raid card connection cable, adapted to 95 series raid cards 12*3.5 hard drive brackets, compatible with 2.5" drives 2*2.5 inches hard bracket
E12000 NN2N	12*3.5" drives (SATA/SAS) EXP 2*USB3.0+1*VGA	➤ 2*2.5" drives (SATA/SAS) ➤ 1*RJ45 Management Interface, 2*USB3.0, 1*VGA 3*x8+2*x16 PCIE 5.0, 1*x4 PCIE 4.0, 2*1G Electric port 1300W Redundant Power	➤ 2* Heat Sinks, TDP<270W ➤ 1*raid card connection cable, adapted to 95 series raid cards ➤ 12*3.5 hard drive brackets, compatible with 2.5" drives ➤ 2*2.5 hard drive brackets
N12000 NN2N	12*3.5" drives (SATA/SAS/NVME) 2*USB3.0+1*VGA	➤ 2*2.5 " drives (SATA/SAS) ➤ 1*RJ45 Management Interface, 2*USB3.0, 1*VGA 3*x8+2*x16 PCIE 5.0, 1*x4 PCIE 4.0, 2*1G Electric port 1300W Redundant Power	➤ 2* Heat Sinks, TDP<270W ➤ 2*raid card connection cable, adapted to 95 series raid cards ➤ 12*3.5 hard drive brackets, compatible with 2.5" drives ➤ 2*2.5 hard drive brackets