

Vantageo 2240-RE

Vantageo 2240-RE is a new-generation 2U 2 socket rack server, which supports 2 Intel® Xeon® 4th/5th generation scalable processor (Eagle Stream). Vantageo 2240-RE uses a high-density, modular, and streamline design. It features high capability, large capacity, high reliability, easy expansion, and easy management, which is widely applicable to interconnection, network, cloud computing, big data, and virtualization

HIGH DENSITY, HIGH PERFORMANCE

- ▶ Supports two Intel 4th/5th Generation of Intel® Xeon® Scalable Processors (Eagle Stream) with a single processor of up to 64 cores
- ▶ Provides dual CPUs for high-speed interconnection. Up to 4 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 SSD.

HIGH SCALABILITY, HIGH BANDWIDTH

- ▶ Provides a maximum of 45 2.5" slots or 20 3.5" slots + 4 2.5" slots to meet the requirements for large-capacity storage.
- ▶ Supports a maximum of 34 NVMe SSDs, a maximum of 40 E1.S¹, and a maximum of 40 E3.S¹, provides high-speed I/O interfaces, and solves the bottleneck of slow hard disk access in traditional solutions
- ▶ Provides multiple storage combinations and RAID card configuration options to flexibly configure local storage in accordance with service requirements.
- ▶ Provides the powerful expansion capability, and supports up to 20 PCIe 5.0 expansion slots
- ▶ Provides powerful computing capabilities and supports four high-performance GPUs.

HIGH AVAILABILITY, HIGH RELIABILITY

- ▶ The good heat dissipation design improves system reliability, and effectively extends 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, supports 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.

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 platform 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 the KVM function.

- GREEN, ENERGY SAVING, ENVIRONMENT PROTECTION
- Uses the 80PLUS high-efficiency platinum/titanium power supply, and the maximum power is supported
- Supports high-voltage DC and low-voltage DC technologies to improve energy utilization.
- Intelligent rotation speed adjustment and silence design
- Supports a mature liquid cooling solution to meet the heat dissipation requirements of CPUs on the Intel Eagle Stream platform.
- Lead-free design and environmental protection

Vantageo 2240-RE	
Features	Technical Specification
Form	2U rack server
Chipset	Intel C741
Processor	Supports 1/2 Intel® Xeon ®4 th/5 th -generation scalable processors (Eagle Stream)
Memory	Supports 32 DDR5 memory slots with a maximum rate of 5,600MT/s
Memory DIMMS Supports	16GB DDR5-5600 128GB DDR5-5600 32GB DDR5-5600 256GB DDR5-5600 64GB DDR5-5600
Interconnection bus	Provides 4 UPI interconnection links. The maximum rate of a single link is 20GT/s. Provides x8 DMI high-speed channels.
Hard disk controller	Supports RAID 0/1/5/6/10/50/60 and power-off protection
Local storage	Provides a maximum of 45 2.5" slots or 20 3.5" slots + 4 2.5" slots Supports a maximum of 34 NVMe SSDs Supports a maximum of 40 E1.S 1 , and a maximum of 40 E3.S 1
Network resources	Supports two OCP3.0 interfaces, supports PCIe5.0 x 8, and 2 PCIe5.0 x16 can be expanded optionally , and supports Multi Host optionally
PCIe slots	Supporting up to 20 PCIe expansion slots: 2 OCP dedicated slots, 18 PCIe standard slots
Onboard Port	OCP NIC 3.0x2
External equipment interface	Five USB interfaces (two rear USB3.0 interfaces, one front USB3.0 interface, one internal USB2.0 interface, one front USB2.0 interface) Two VGA interfaces (one for front end and one back for end) One serial port
Equipment management interfaceCle slot	1 independent GE management network interface
Display	Integrated display cards, supporting the optional configuration of PCIe standard display cards
Power	Supports 1+1 hot/swappable redundant power supplies. (Optional)550W/800W/1200W/1600W/2000W/2700W,high-efficiency platinum/titanium power supply Supports 110V/220V AC, 240V/336V high-voltage DC, and-48V DC.
Fan	Four groups of high-efficiency fans, N+1 redundancy, and intelligent heat dissipation system
Security	TPM (Trusted Platform Module), Authenticated BIOS
Environmental conditions	Operating temperature: +5 °C to +45 °C (depending on the configuration, refer to the technical document for details) Storage temperature:-40 °C to +65 °C Operating humidity: 8% – 90% RH, no condensation Transportation and storage humidity: 5% – 95% RH, no condensation Altitude: ≤ 3,000m. When the altitude is 900m higher, the operating temperature is reduced by 1° C for every 300m higher. If the altitude is more than 3,000m, you cannot configure mechanical hard disks.
Size	432mm x 87.6mm x 780mm (W x H x D), excluding flanges and guide rails Standard 19-inch rack (>=1m deep)
Weight	40kg
Compatible OS	Compatible with mainstream server operating systems: Microsoft Windows Sever、 Red Hat Enterprise Linux、 SUSE Enterprise Linux 、Vmware ESXi、 Ubuntu