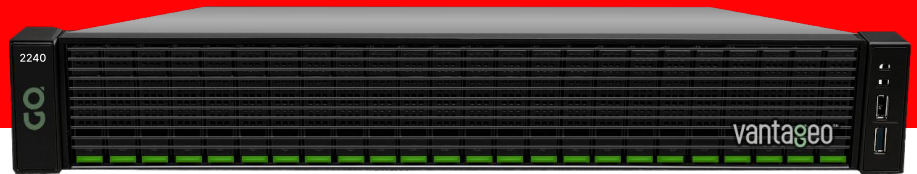


### Vantageo 2240-RU

Flexible, Scalable, and Secure



**2U dual-socket GPU server powered by 5th Gen Intel Xeon Scalable processors that supports four dual-slot GPUs, liquid cooling solution, 16 DIMM, six NVMe, two 2600W Titanium power supplies and Vantageo ASMB11-iKVM**

- 1. Powerful performance:** Powered by 5th Gen Intel® Xeon® Scalable processors unleash up to 21%-greater general-purpose performance per watt, significantly improving AI inference and training
- 2. AI and HPC workloads ready:** Up to four dual-slot active or passive GPUs, NVIDIA NVLink® bridge, and NVIDIA Bluefield DPU support to enable performance scaling
- 3. Power-efficient system design:** Independent CPU and GPU airflow tunnels for thermal optimization and support for up to two 2600W Titanium redundant power supplies for uninterrupted operation
- 4. Comprehensive cooling solutions:** Designed for both liquid cooling and enhanced air cooling based on CPU TDP for versatile workloads
- 5. Scale-up storage and expansion design:** A total of six bays in combination of Tri-Mode NVMe/SATA/SAS drives on the front panel and 10 PCIe 5.0 slots for higher bandwidth and system upgrade
- 6. Flexible networking module design:** PCIe 5.0 slot in rear panel for faster connectivity
- 7. Enhanced IT-infrastructure management:** Vantageo ASMB11-iKVM remote control with ASPEED

AST2600, Vantageo Control Center IT management software and hardware-level Root-of-Trust solution

| Vantageo 2240-RU    |                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Features            | Technical Specification                                                                                                                                                                                                                                                                                                                                                                                     |
| Processor           | 2 x Socket<br>4th Gen Intel® Xeon® Scalable processors (Up to 350W)<br>5th Gen Intel® Xeon® Scalable processors (Up to 350W)                                                                                                                                                                                                                                                                                |
| Chip Set            | Intel® C741 Chipset                                                                                                                                                                                                                                                                                                                                                                                         |
| Memory              | Total Slots:<br>16 (8 channels per CPU, 8 DIMM per CPU)<br>Capacity:<br>Maximum up to 4TB per CPU socket<br>Memory Type:<br>4th: DDR5 4800 MHz RDIMM/3DS RDIMM (1DPC)<br>5th: DDR5 5600/4800 MHz RDIMM/3DS RDIMM (1DPC)<br>512GB, 256GB, 128GB Intel® Optane™ persistent memory 300 series                                                                                                                  |
| Expansion Slots     | Rear:<br>4 x PCIe x16 slots (Gen5 x16 link, FH, FL) for dual-slot GPU cards or<br>8 x PCIe x16 slots (Gen5 x8 link, FH,FL) for single-slot GPU cards<br>-2 x PCIe x16 slots (Gen5 x16 link, FH, HL)<br>Front:<br>1 x PCIe x8 slot (Gen4 x8 link, LP, HL)                                                                                                                                                    |
| Storage             | 2 x 2.5" & 4 x 3.5" Hot-swap Storage Bays<br>SKU1:<br>2 x 2.5" SATA/SAS*/NVMe +<br>2 x 3.5" SATA/SAS*/NVMe + 2 x 3.5" SATA/SAS*<br>SKU2: Build to order<br>2 x 2.5" SATA/SAS*/NVMe +<br>4 x 3.5" SATA/SAS*/NVMe (Occupy 1 x PCIe x8 link )<br>*SAS support required a HBA/RAID card.<br>**For SKU1 additional 2 x NVMe support required a RAID card.<br>1 x M.2 socket (Gen3 x4 link PCIe mode, up to 2280) |
| Networking          | 2 x 1 Gigabit LAN ports (Intel I350 Controller)<br>1 x Management Port                                                                                                                                                                                                                                                                                                                                      |
| Multi-GPU Support   | Please find the latest GPU support from <a href="https://vantageo.com">vantageo.com</a>                                                                                                                                                                                                                                                                                                                     |
| Front I/O Ports     | 4 x USB 3.2 Gen1 ports                                                                                                                                                                                                                                                                                                                                                                                      |
| Rear I/O Ports      | 2 x USB 3.2 Gen1 ports<br>2 x Gigabit LAN ports (RJ45)<br>1 x MAnagement port (RJ45)<br>1 x VGA port                                                                                                                                                                                                                                                                                                        |
| Management Solution | Vantageo Control Center(Classic) On-Board ASMB10-iKVM for KVM-over-IP                                                                                                                                                                                                                                                                                                                                       |

**Disclaimer:** Technical data is subject to modification and delivery subject to availability. . Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

Vantageo 2240-RU

| Features              | Technical Specification                                                                                                                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switch/LED            | Front :<br>1 x Power Button/LED<br>1 x Location Button/LED<br>1 x Message LED<br>1 x Q-Code/Port 80 LED<br>2 x LAN LED<br>Rear :<br>1 x Power Button/LED<br>1 x Location LED<br>1 x Message LED                                                                                                                                                 |
| OS Support            | Windows Server<br>RedHat® Enterprise Linux<br>SuSE® Linux Enterprise Server<br>CentOS<br>Ubuntu<br>Vmware                                                                                                                                                                                                                                       |
| Regulatory Compliance | BSMI, CE, RCM, FCC(Class A)                                                                                                                                                                                                                                                                                                                     |
| Dimensions            | 800mm x 439.5mm x 88.9mm (2U)<br>31.50" x 17.30" x 3.50"                                                                                                                                                                                                                                                                                        |
| Weight                | Net Weight: 26 Kg<br>Gross Weight: 36.8 Kg                                                                                                                                                                                                                                                                                                      |
| Power Supply          | 1+1 Redundant 2600W 80 PLUS Titanium CRPS-R Power Supply                                                                                                                                                                                                                                                                                        |
| Environment           | Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C<br>Non operation humidity: 20% ~ 90% ( Non condensing)                                                                                                                                                                                                             |
| Recommended support   | 24x7 - 4 hours Response, Next Business Day Call to Resolution CTR<br>24x7 - 4 hours Response, 24 Hours Call to Resolution CTR<br>24x7 - 4 Hours Response, 6 Hours Call to Resolution CTR<br>Default support Next Business Day Consulting and deployment offerings are also available. Contact Vantageo representative for the more information. |

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