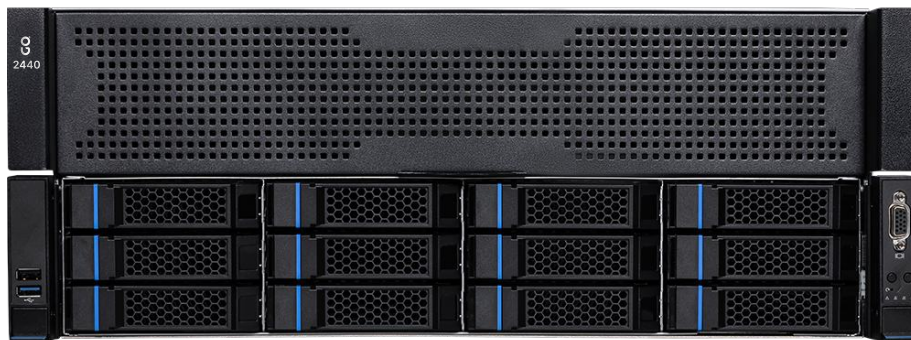


# Vantage 2440-MGX Server

Flexible, Scalable, and Secure



The Vantage 2440-MGX is High-performance 4U rack server powered by dual 4th/5th Gen Intel® Xeon® Scalable processors, delivering exceptional compute capabilities for enterprise, virtualization, and data-intensive workloads. Equipped with 32 DDR5 DIMM slots supporting up to 5600MT/s RDIMM memory, it ensures superior performance and scalability. The system offers extensive expansion with eight PCIe 5.0 x16 slots and one additional PCIe 5.0 x16 slot, along with flexible storage support through 12 hot-swap drive bays accommodating up to four NVMe and eight SATA drives. Integrated remote management is enabled by the ASPEED AST2600 BMC with IPMI and DMTF Redfish support, while a dedicated 1000Base-T Ethernet management port provides reliable out-of-band administration.

## Key Features

- 4U
- Dual 4th/5th Generation Intel® Xeon® Scalable Processors
- (32) DDR5 DIMM Slots, 2DPC, upto 5600MT/s, RDIMM
- (8) PCIe 5.0 x16 slots
- (1) PCIe 5.0 x16 slot
- (12) Hot-swap 3.5"/2.5" drive bays support (4) NVMe + (8) SATA
- (1) 1000Base-T Ethernet port (Intel® I210AT)
- BMC ASPEED AST2600 with IPMI & DMTF Redfish support

## Applications

- Cloud Computing Service
- Content Delivery Network
- AI Inference and Fine-tuning

Technical details

Vantageo 2440-MGX Details

|                   |                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor       | 4U Rack Server                                                                                                                                                                                                      |
| Dimensions        | 438mm(17.2")W x 176mm(6.9")H x 897mm(35.3")D                                                                                                                                                                        |
| Processor         | Dual 4th/5th Generation Intel® Xeon® Scalable Processors, TDP up to 350W                                                                                                                                            |
| Socket            | (2)Intel LGA4677 sockets                                                                                                                                                                                            |
| Chipset           | Intel® C741                                                                                                                                                                                                         |
| Memory            | (32) DDR5 DIMM Slots, 2DPC, RDIMM/3DS<br>- Max. Frequency<br>5th Gen Intel® Xeon®: 5600 MT/s (1DPC), 4400 MT/s (2DPC)<br>4th Gen Intel® Xeon®: 4800 MT/s (1DPC), 4400 MT/s (2DPC)<br>- Max Capacity per DIMM: 256GB |
| Drive Bays        | (12) Hot-swap 3.5"/2.5" drive bays support (4) U.2 PCIe 4.0 NVMe + (8) SATA 3.0                                                                                                                                     |
| Internal Storage  | (2) M.2 2280/22110 PCIe 3.0 x2 from PCH                                                                                                                                                                             |
| Expansion Slots   | (8) PCIe 5.0 x16 FHFL slots (4 from CPU0 & 4 from CPU1)<br>(1) PCIe 5.0 x16 FHFL slot from CPU1<br>* all slots are directly connected to CPU sockets, switchless topology                                           |
| Networking        | (1)1000Base-T Ethernet port (Intel® I210AT)                                                                                                                                                                         |
| RAID              | Intel® SATA RAID 0/1/10/5 integrated<br>(1) VROC header for Intel® VROC key to support NVMe RAID 0/1/5/10                                                                                                           |
| Front I/O         | (12) Hot-swap 3.5"/2.5" drive bays<br>(1) USB 3.2 Gen 1 Type-A port<br>(1) USB2.0 port<br>(1) System power LED button<br>(1) UID LED button<br>(1) Reset button<br>(4) Status LEDs : Fault/LAN/M.2                  |
| Rear I/O          | (1) 1000Base-T Dedicated Server Management port<br>(1) 1000Base-T Ethernet port<br>(2) USB 3.2 Gen 1 Type-A ports<br>(1) VGA D-Sub port<br>(1) COM RJ45 port                                                        |
| Security          | TPM2.0 module supported (optional)                                                                                                                                                                                  |
| Server Management | ASPEED AST2600 with AMI MegaRAC based firmware supporting IPMI 2.0 and DMTF Redfish API<br>(1) 1000Base-T Dedicated Server Management Port<br>Dual BIOS and BMC                                                     |

|              |                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment  | System Operating Temperature: 0°C ~ 35°C<br>Non-operating Temperature: -20°C ~ 70°C<br>Non-operating Relative Humidity: 5% to 85% (non-condensing)                                                                                                                                                                                                                                                      |
| Power Supply | (3+1) Redundant 2000W CRPS 80 PLUS Titanium<br><br>Dimension (WxHxL): 73.5 x 40 x 185 mm<br><br>AC Input: 100-127Vac, 15A, 47-63Hz<br>Output: Max 1000W, DC +12V/81.8A, +12Vsb/3A<br>AC Input: 200-219Vac, 10A, 47-63Hz<br>Output: Max 1800W, DC +12V/147A, +12Vsb/3A<br>AC Input: 220-240Vac, 10A, 47-63Hz<br>Output: Max 2000W, DC +12V/163.6A, +12Vsb/3A<br>DC Input: 240V, 10A<br>Output: Max 2000W |
| Cooling      | (6) 6038 Hot-swap fans<br>(4) 8080 Internal fans                                                                                                                                                                                                                                                                                                                                                        |

Recommended support

24x7 - 4 hours Response, Next Business Day Call to Resolution CTR

24x7 - 4 hours Response, 24 Hours Call to Resolution CTR

24x7 - 4 Hours Response, 6 Hours Call to Resolution CTR

Default support Next Business Day Consulting and deployment offerings are also available. Contact Vantageo representative for the more information.

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