# Vantageo 22G1-RG Server

## Flexible, Scalable, and Secure



The Vantageo 22G1-RG is a high-performance dual-socket server platform designed for enterprise and data center applications. Featuring the AMD EPYC™ 9004 series processors, this system offers cutting-edge computing power, high memory bandwidth, and extensive storage and networking capabilities. With PCIe Gen5 expansion, DDR5 memory support, and remote management, it is built for scalability, reliability, and efficiency.

## Key Features

- Supports up to 2 x Dual slot Gen5 GPUs
- Dual AMD EPYC™ 9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 8 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x 3.5"/2.5" SATA/SAS-4 hot-swap bays
- 4 x 2.5" SATA/SAS-4 hot-swap bays on the rear side
- 2 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots

- Compatible with SupremeRAID™ by Graid Technology
- 1+1 2400W 80 PLUS Platinum redundant power supplies

## Technical details    Vantageo 22G1-RG

| | |
|---|---|
| Form Factor | 2U (W438 x H87.5 x D815 mm) |
| CPU | AMD EPYC™ 9004 Series Processors<br>Dual processor, cTDP up to 360W |
| Socket | 2 x LGA 6096 (Socket SP5) |
| Chipset | System on Chip |
| Memory Capacity | 12-Channel DDR5 RDIMM, 24 x DIMMs Up to 4800 MT/s |
| LAN | 2 x 1Gb/s LAN (1 x Intel I350-AM2), Support NCSI<br>1 x 10/100/1000 Mbps Management LAN |
| Video | Integrated in ASPEED AST2600 - 1 x Mini-DP |
| Storage | Front hot-swap:<br>8 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4<br>4 x 3.5"/2.5" SATA/SAS-4<br>Rear hot-swap:<br>4 x 2.5" SATA/SAS-4<br>SAS card is required to support SAS drives |
| RAID | Require RAID add-in cards<br>Optional compatible RAID Cards:<br>NVMe RAID Cards with SupremeRAID™ by Graid Technology<br>RAID Card models: SR-1000-ED12<br>Support RAID 0/1/5/6/10 |
| PCIe Expansion Slots | 2 x FHFL PCIe Gen5 x16, for GPUs<br>2 x FHHL PCIe Gen5 x16<br>2 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI |
| I/O Ports | Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN |
| Backplane Board | Front - CBP20C7: PCIe Gen5 x4 or SATA6Gb/s or SAS-4 24Gb/s<br>Rear- CBP2025: SATA6Gb/s or SAS-4 24Gb/s |
| Power Supply | 1+1 2400W 80 PLUS Platinum redundant power supplies AC Input: 100-240V |
| System Fans | 4 x 80x80x38mm |
| TPM | 1 x TPM header (SPI), Optional TPM2.0 kit: CTM010 |
| Operating Properties | Operating: 10°C to 30°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing) |

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.