

Vantageo 22R1-RU

Flexible, Scalable, and Secure



New Generation, High Performance 2U Server

FEATURE

1. AMD EPYC 7003 Series Processors with AMD 3D V-Cache™ technology
2. PCIe4.0 Ready
3. GPU and FPGA Support
4. Cooling Solutions
5. Enhanced Security

Key Features

1. 3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology
2. PCIe 4.0 Ready
3. GPU and FPGA Support
4. Cooling Solutions
5. Enhanced Security

Vantageo 22R1-RU

Features	Technical Specification	
Processor Support	2 x Socket SP3 (LGA 4094) xGMI (External Global Memory Interface Link)	
Core Logic	3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology	
Memory	Total Slots	32 (8-channel per CPU, 16 DIMM per CPU)
	Capacity	Maximum up to 4096GB
	Memory Type	DDR4 3200/2933 RDIMM/LR-DIMM/LR-DIMM 3DS
	Memory Size	64GB, 32GB, 16GB (RDIMM), 128GB, 64GB (LRDIMM), 256GB, 128GB, 64GB (LRDIMM 3DS)
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots Slot Type	9 Slot Type 2 x PCIe Gen4 x8 or 1 x PCIe Gen4 x16, FHFL (CPU1 x1) 2 x PCIe Gen4 x8 or 1 x PCIe Gen4 x16, FHFL or OCP3.0 (CPU1 x1) (If choosing OCP3.0, another x8 slot will be limited to support PIKE card only) 4 x PCIe Gen4 x8 or 2 x PCIe Gen4 x16, FHFL (CPU2 x2) 1 x PCIe Gen4 x8 or x16, LP (if PCIe M.2 in use, it will operate at x8 link) (CPU2 x1)
Disk Controller	SATA Controller	12 x SATA3 6Gb/s ports 2 x M.2 connector(SATA 6Gb/s & PCI-E Gen4 x4 link)
	SAS Controller	Optional kits: ASUS PIKE II 3008 8-port SAS HBA card ASUS PIKE II 3108 8-port SAS HW RAID card Broadcom MegaRAID 9560-16i 12G SAS Support
Storage Bays	I = internal A or S will be hot-swappable 12 x 3.5" Hot-swap Storage Device Bays up to (8x NVMe/SAS*/SATA* + 4x SAS*/SATA*) *must with PIKE/RAID card 2 x 2.5" hot-swap drive bays (2x NVMe) (optional rear bays) 2 x M.2 (Up to 22110) (Support SATA/PCIe M.2) (CPU2	
Networking	LAN	1 x Quad Port Intel I350-AM4 1G LAN Controller or 1 x Dual Port Intel X710-AT2 Gigabit 10G LAN Controller or none 1 x Management Port
Graphic	VGA	Aspeed AST2600 64MB
Front I/O Ports	2 x USB3.2 Gen1ports	
Rear I/O Ports	2 x USB 3.2 Gen1 ports, 1 x VGA port, optional2 x 10G or 4 x 1G RJ-45 GbELAN port, 1 x RJ-45 MgmtLAN port, 1 x OCP 3.0 port	
Switch/LED	Rear Switch/LED: 1 x Q-Code/Port 80 LED, 1 x Power switch, 1 x Location switch/LED, 1 x Message LED Front Switch/LED: 1 x Power switch/LED, 1 x Location switch/LED, 1 x Reset switch, 1 x HDD Access LED, 1 x Message LED, LAN 1-4 LED * LAN3-4 for Mezzanine card use	
OS Support	Windows® Server 2019 RedHat® Enterprise Linux,SuSE® Linux Enterprise Server CentOS, Ubuntu, Vmware Please find the latest OS support from http://www.asus.com/	
Dimension	840mm x 449mm x 88.1mm (33.07" x 17.68" x 3.47")	
Net Weight Kg (CPU, DRAM & HDD not included)	18.195 kg	
Gross Weight Kg(CPU, DRAM & HDD not included, Packing include)	23.235 kg	
Power Supply	1+1 Redundant 1600W 80 PLUS Platinum Power Supply Rating: 100-127/200-240 Vac, 9.4 A/4.72A (x2), 50/60Hz, Class I (240Vdc, 4.6A only for China) 1+1 Redundant 2400W 80 PLUS Titanium Power Supply	
Environment	Operation temperature: 10°C~ 35°C Non operation temperature: -40°C~ 60°C Non operation humidity: 20% ~ 90% (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.	