

Vantageo 2540-RP-B200HGX

Flexible, Scalable, and Secure



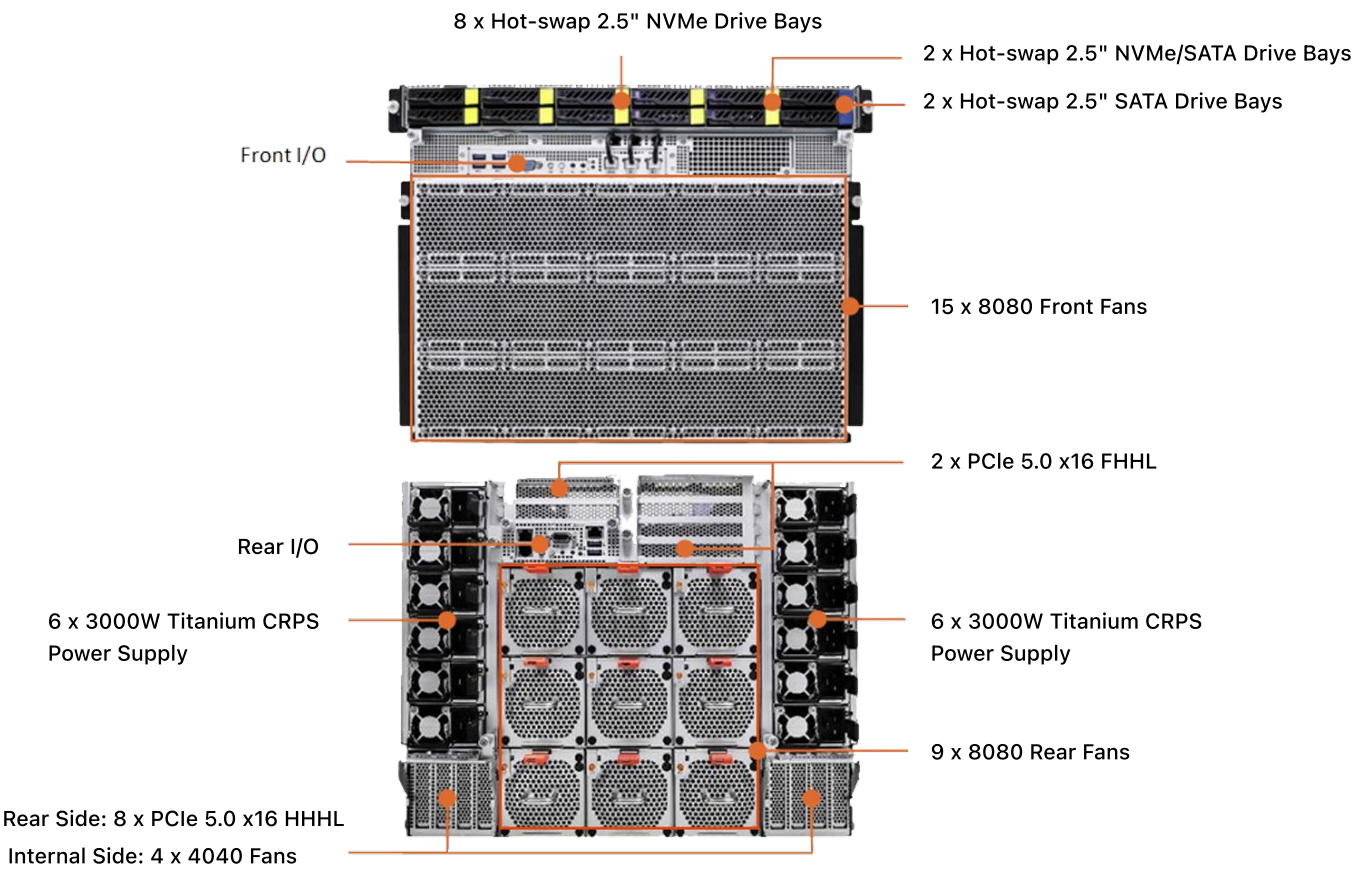
The 8U 2-Socket NVIDIA HGX™ B200 8-GPU System is a cutting-edge platform engineered to drive the next generation of accelerated computing and generative AI in modern data centers. Equipped with eight powerful NVIDIA GPUs and dual CPU sockets, it delivers unmatched processing power, high-speed interconnects, and exceptional scalability to handle the most demanding AI, HPC, and data-intensive workloads. This system enables organizations to achieve faster insights, streamline complex computational tasks, and unlock new possibilities in AI-driven innovation, setting a new benchmark for performance and efficiency in enterprise computing.

Key Features

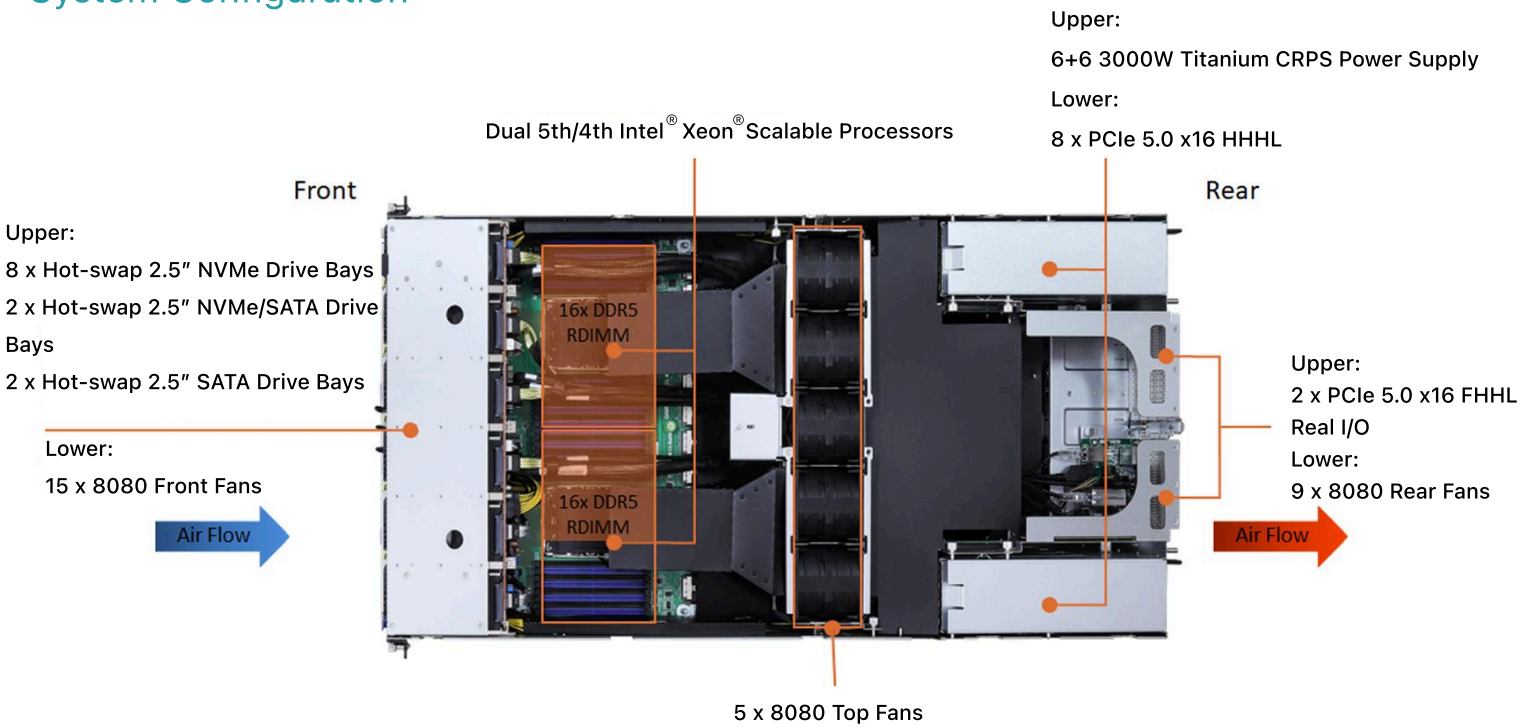
- NVIDIA HGX™ B200 8-GPU with NVIDIA NVSwitch™, 1.4TB HBM3e (8 x 180GB), TDP up to 1,000W
- Dual 5th/4th Intel® Xeon® scalable processors, TDP up to 350W
- 32 x DDR5 DIMM slots, up to 5600 MT/s
- 12 x 2.5" NVMe
- 8 x PCIe 5.0 x16 HHHL, 2 x PCIe 5.0 x16 FHHL
- 6+6 3000W Titanium CRPS

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Front/Rear Placement



System Configuration



Technical details

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Form Factor	8U	
Chassis Dimension (mm)	448 (W) x 353.6 (H) x 930 (D)	
Processor	Number of Processors	2
	Processor Type	5th/4th Gen Intel® Xeon® scalable processors
	Max. TDP Support	350W
GPU	NVIDIA HGX™ B200 8-GPU, 1000W TDP	
Memory	Total Slots	32
	Memory Type	1DPC: DDR5 RDIMM, 5600 MT/s 2DPC: DDR5 RDIMM, 4400 MT/s
	DIMM Capacity (GB per DIMM)	RDIMM: 96GB RDIMM-3DS: 2H- 128 GB / 4H- 256 GB
Expansion Slots	8 x PCIe 5.0 x16 HHHL 2 x PCIe 5.0 x16 FHHL	
Storage Bays	10 x 2.5" NVMe 2 x 2.5" SATA	
Onboard Storage	2 x M.2 2280/22110 NVMe	
Management	Aspeed® AST2600	
Security	TPM 2.0	
Networking Interface	2 x 1GbE RJ45 1 x IPMI RJ45	
Front I/O Ports	2 x 1GbE RJ45 1 x IPMI RJ45 4 x USB 3.2 Gen1 1 x VGA 1 x Power button LED	
Rear I/O Ports	2 x USB 3.2 Gen1 1 x VGA 1 x UID button	
Power Supply	6+6 3000W Titanium CRPS	
Fans	29 x 8080 fans + 4 x 4040 fans	
Operating Properties	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°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.