* All pictures shown are for illustration purposes only. Actual products may vary due to product enhancement



DVEO RTX 5090 AI SERVER



High-performance 6U RTX 5090 AI server powered by Intel Eagle Stream, offering flexibility, scalability, and energy efficiency.

PRODUCT DESCRIPTION

The DVEO RTX 5090 AI Server offers extreme computational performance for high-demand AI, machine learning, and data-intensive applications. Built on the Intel Eagle Stream platform, this server configuration is optimized for parallel computing, large-scale data analysis, and GPU-intensive workloads.

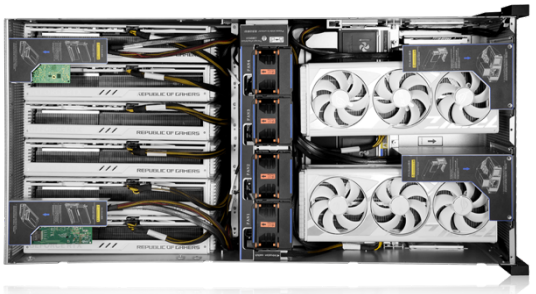
APPLICATIONS

- AI & Machine Learning Processing
- Cloud Gaming and Virtualization
- Big Data Analytics
- Digital Twin Applications

KEY FEATURES

- **GPU**: Supports up to 8 NVIDIA RTX 5090 GPUs with 600W power, designed for the most demanding AI and deep learning applications.
- **Processor:** Supports 1 or 2 Intel® Xeon® Scalable processors (4th/5th Gen), up to 350W TDP.
- **Memory:** 32 DDR5 memory slots, supporting up to 5600MHz.
- **Storage:** 12 hot-swappable SATA/SAS/NVMe drives.
- **PCIe Expansion**: Up to 13 PCIe slots for expansion.
- Power Supply: CRPS 2000W/2200W/2600W/3200W hot-swappable power modules.





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SPECIFICATIONS

Product Series	DVEO RTX 4090 AI SERVER
Form factor	Pass-through 8-GPU 12-Bay AI Server
GPU	Supports up to 8 RTX 5090 with 600W power
Processor	Supports one or two 4th/5th Gen Intel® Xeon® Scalable Processors, with a maximum TDP of 350W
Memory	32 DDR5 memory slots, supporting DDR5 4400/4800/5600MHz
Internal Storage Interface	2 Slimline 4x ports (SATA), 2 M.2 slots (SATA/PCIe3.0x1) for 2280/22110 sizes
External Hard Drive	12 hot-swappable 3.5"/2.5" SAS/SATA/NVMe drives
PCIE Expansion	Up to 13 PCIe expansion slots
OS	Microsoft Windows Server, RedHat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, VMware ESXi etc.
Security	Supports TPM 2.0 module, chassis intrusion alarm, BMC/BIOS redundancy
Power Supply	Supports CRPS 2000W/2200W/2600W/3200W power modules, with hot-swap capability and 3+1 redundancy
Fan	Standard configuration includes 12 hot-swappable 6056 fans and 4 hot-swappable 8038 fans
IPMI	Supports Redfish, SNMP, IPMI 2.0 standard interfaces
Management Port	1 dedicated RJ45 management port
Dimension	265mm (H) x 447mm (W) x 910mm (D)
Operating Temperature	5℃～35℃

ORDER INFORMATION

Type	PN	Model	Description
Barebone	0.25.005.0004	DV255OD12R-G4	6U server platform with direct-connect GPU support for up to 8 GPUs and 12 storage drives. Includes 13 PCIe slots, 8 PCIe 5.0 x16 GPU slots, and redundancy with 4 hot-swappable 2000W power supplies.
Power Module	3.25.264.0025	DV2500PM	2200W CRPS power module for the server.
Power Module	3.25.264.0085	DV2700PM	2600W CRPS power module for the server.
Power Module		DV3700PM	3200W CRPS power module for the server.
Network Card	3.25.215.0025	DV9300NC	Dual 10Gb optical PCIe network card with Intel 82599 chip.
Network Card	3.25.215.0009	DV821NC	Onboard quad 10Gb optical PCIe network card using Intel XL710 chip.
Network Card	2.25333.1459	DV93600P	Dual 10Gb optical OCP 3.0 network card with Intel 82599 chip.
Network Card	2.25.333.1528	DV821NC	Onboard quad 10Gb optical OCP 3.0 PCIe network card using Intel XL710 chip.
Slide Rail	4.25.112.1127	DV8118-21SL	Slide rail with a full extension length of 920mm, designed for 1-1.2m cabinets.

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