

VEGA-7241

2U Video Edge Server

Preliminary



Features

- Short depth 2U x 19" x 535mm Video Edge Server
- High Performance video processing by AMD EPYC-9005 Processor*
- High Reliable & Easy Management
- Design for field operation
- Up to 4 PCI Express accelerators or I/O cards per chassis

Introduction

The Advantech VEGA-7241 is a high-performance 2U short-depth video edge server optimized for real-time encoding, transcoding, and AI analytics in the broadcasting and medical industries. Powered by AMD EPYC™ 9005 series processors with up to 32 cores, the system supports a massive 768GB of DDR5 memory for high-bandwidth video streams. This scalable platform accommodates up to six PCIe Gen5 expansion slots for powerful accelerators and capture cards.

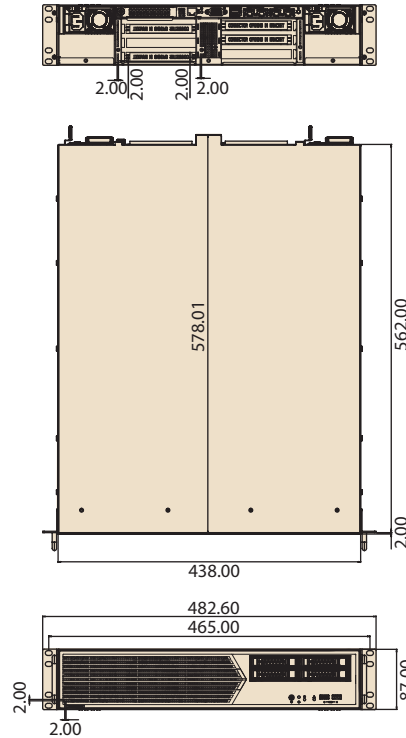
VEGA-7241 seamlessly can handle the most demanding medical imaging and broadcast transmission workloads. Whether deployed for 3D video solutions in surgery or as a robust “worker node” for cloud-edge transcoding, the VEGA-7241 ensures ultra-low latency and integrated AI content analytics. Built for field operations, its compact design thrives in temperatures up to 45°C, supported by dual redundant PSUs and full remote management via integrated BMC. Transform your video infrastructure with the scalable, high-density performance of the VEGA-7241 defined in the sources.

Specifications

CPU		AMD EPYC™ EPYC-9005 Series Processor
Memory	Memory Channels	12 x DIMM DDR5 RDIMM
	Max Capacity	up to 768GB maximum
Storage	M.2 NVME	2 x 2280
	U.2 NVME	4 x NVMe U.2 Drive
Physical Characteristics	Rackmount/Tabletop/Others	2U Rackmount
	Height x Width x Depth	438 x 565 x 88 mm (W x D x H)
Power Supply	System PSU	90 – 260V AC In, 800/1200/1600W ATX Power Supplier
PCI Express Card Slots	PCIe slot qty for Add on card	2x FH3/4L(10.5") Double-Deck + 2x FH3/4L(10.5") Single-Deck
Networking	Connector	2x GbE RH45 (NCSI), 2x 10GbE RJ45
Front I/O Interface		Power, reset buttons, 2x LED (Power, Status), 2x USB
Rear I/O Interface		2 x USB Type A
Direct Video Output		1 x VGA
System Management	BMC	Aspeed AST2600BMC
Fans		3 system fans all speed controlled with smart fan algorithm
Environment	Operation Temperature	0 to 45°C

Dimensions

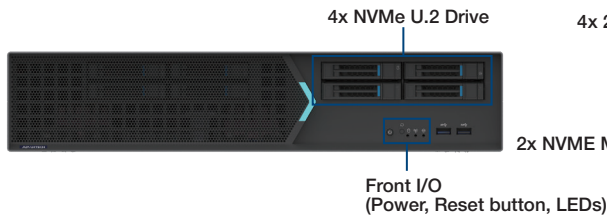
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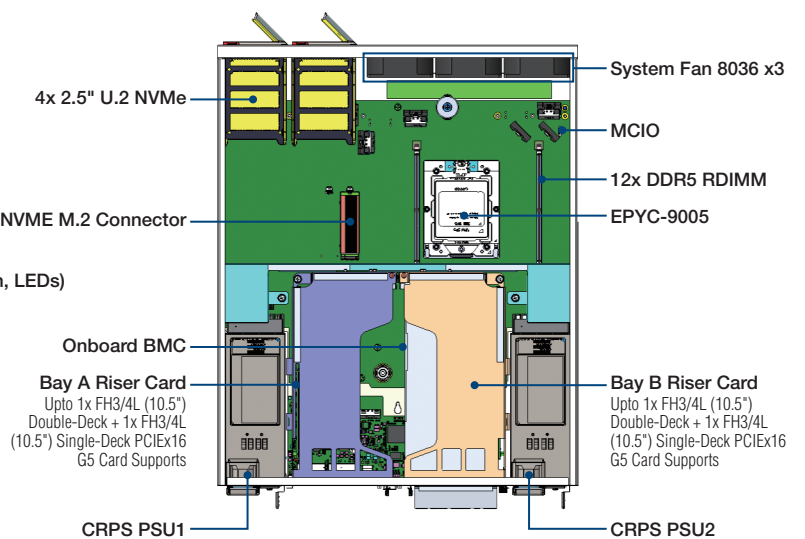
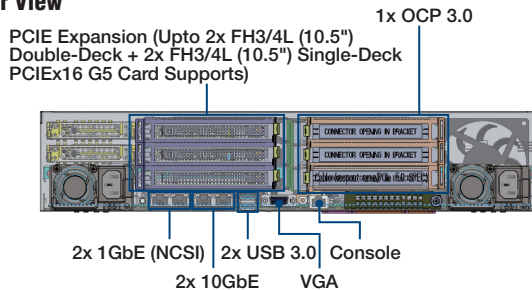
Front Panel and Rear Panel Design Concept

Inner View

Front View



Rear View



Notes

* Please ensure you confirm specifications prior to making a purchase. This document serves as a reference and informational resource only. Please be aware that all product specifications are subject to change without prior notice.
 * EPYC 9004 is available as an optional, not a default CPU option