

VEGA-7141

1U Video Edge Server

Preliminary



Features

- 1U x 19" x 770mm Video Edge Server
- High Performance video processing by AMD EPYC-9004/9005 Processor*
- High Reliable & Easy Management
- Design for video media server & recorder
- Up to 2 PCI Express accelerators or I/O cards per chassis

Introduction

The VEGA-7141 is a high-performance 1U rackmount server. This platform is engineered for extreme workloads, powered by a single AMD EPYC 9005 series processor and supporting up to 1.15TB of DDR5 RDIMM memory. The VEGA-7141 offers exceptional versatility with storage configurations for 12 x U.2 PCIe Gen5 NVMe drives, ensuring the massive throughput required for low-latency video tasks.

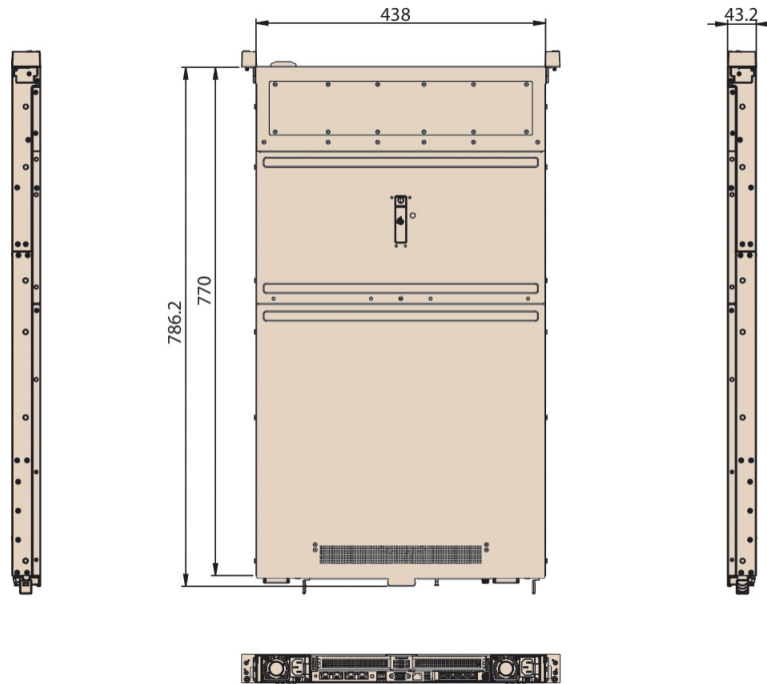
Built for 24/7 reliability, the server features dual 1600W platinum power supplies and advanced IPMI 2.0 platform management. Additionally, it can integrate AI engines for assisted encoding and object detection, providing a scalable, energy-smart foundation for the future of video infrastructure.

Specifications

CPU		AMD EPYC™ EPYC-9004/9005 Series Processor
Memory	Memory Channels	12 x DIMM DDR5 RDIMM,.
	Max Capacity	Max 12 96GB DDR5 RDIMM, up to 1.15TB (1DPC)
Storage	M.2 NVME	2 x 2280 Type M, PCIe Gen4 x4
	U.2 NVME	12 x 2.5" NVMe U.2 Drive
Physical Characteristics	Rackmount/Tabletop/Others	1U Rackmount
	Height x Width x Depth	438 x 770 x 43.2 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	2 x PCIe x16 Gen5 FH3/4L
Networking	Connector	2 x GbE RJ45, 2 x 10GbE RJ45
Front I/O Interface		Power, reset buttons, 3 user controllable LEDs
Rear I/O Interface		2 x USB 3.2 (5Gbit/s) Type A
Direct Video Output		1 x VGA
System Management	BMC	Aspeed AST2600BMC
Fans		8 x 4056 hot-swap fan with SmartFan control
Environment	Operation Temperature	0 to 35°C

Dimensions

Unit: mm [inch]



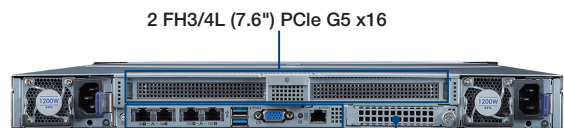
Front Panel and Rear Panel Design Concept

Front View



12 NVMe U.2 Drive

Rear View



2 FH3/4L (7.6") PCIe G5 x16

Rear I/O

OCP3.0

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.