AIR-540

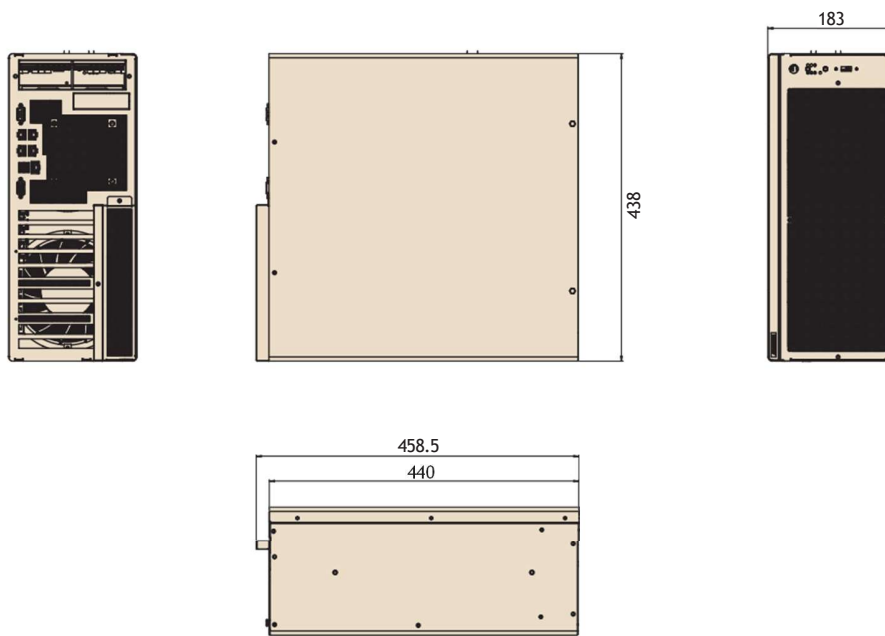## 4U High-Density HPC Server Powered by AMD EPYC 8004 Series

Features

- Powered by the energy-efficient AMD EPYC™ 8004 Series Processor.
- 4pcs 2.5-slot GPUs for high-density computing.
- 6x DDR5 ECC-REG RDIMMs for superior reliability and performance.
- CXL Board support, ready for future memory expansion and resource pooling.
- Optimized System noise control to fulfill variant Edge AI application environments.
- Equipped with IPMI support and TPM 2.0 for secure remote management.

Specifications

Processor System	CPU	AMD EPYC™ Embedded 8004 processors
BIOS		AMI BIOS UEFI 256 Mbits SPI
Memory	Technology	DDR5 up to 4800 MT/s, ECC memory supported
	Max. Capacity	576GB
	Socket	6 x 288pin RDIMM
Discrete GPU Slot	PCIe Signal	PCIe Gen5 x 16
	Slot Qty.	4
	TDP	Up to 2400W
Display	VGA	1
Ethernet	Controller	2.5GbE: Intel® I226-LM (LAN1, 2) 10GbE: Intel® X710-AT2 (LAN3, 4)
Others	Watch dog Timer	255-level timer interval, setup by software
	TPM	TPM 2.0
I/O Interface	USB 3.2 Gen1	(Front) 1 USB 3.2 Gen1 (Rear) 2 USB 3.2 Gen1
	RJ-45	5 (1 port dedicated LAN and 1 port shared LAN for IPMI function)
	Serial	1 x RS232
Expansions		CXL module EDSFF 2C
Storage	NVME	2 x PCIe Gen4 x 4 (support SATA)
Software Support	Microsoft Windows	Windows Win11 LTSC
	Linux	Ubuntu 24.04
Power Requirements	Power Type	AC in
	Power Input Voltage	100 - 240 V
	Power Supply	CRPS up-to 2700W
Mechanical	Dimensions (W x H x D)	438 x 440 x 183 mm
	Weight	TBD
Environment	Operating Temperature	0 ~ 40°C (w/o Graphic card)
	Vibration During Operation	With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.
	Shock During Operation	With SSD: 10 G, IEC 60068-2-27, half sine, 11 ms duration
	Relative Humidity	95% @ 40 °C (non-condensing)
	EMC	CE/FCC Class A
	Safety	CB, UL, CCC, BSMI

Dimensions

Unit: mm

Ordering Information

Model	PSU	RDIMM 288-Pin Slot	USB	VGA	2.5 GbE	10 GbE	PCIe x16 slot	PCIE x8
AIR-540-000A1U Bare system*	None	6	3	1	2	2	4	2

Remarks
*Bare system, NO CPU, NO RAM, NO Storages

Packing List

Item	Part Number	Quantity
CPU Heatsink	1970005926N011	1
Screw for M.2 Storage	1930008364	2

Optional Accessory

Item	Part Number	Description
Power Cable	1700021723-02	Power cable 3-pin 183cm
Accessory	TBD	16 pin GPU power cable
	TBD	4pcs 2.5" SSD Bracket
	TBD	Dust prevent cover
	TBD	Passive fan kit (1 set for 1 GPU)

Embedded OS/API

OS	Part Number	Description
Windows	TBD	Windows Win11 LTSC
Ubuntu	TBD	Ubuntu 24.04