4U FORM FACTOR **2** CPU SOCKETS **24** DIMM

AGS-4920
4U Dual AMD® CPU Rack Mount GPU Server (barebone)

REFERENCE NUMBERS

- Barebone Package: AGS-4920
- Chassis: ASC-R832U4
- Motherboard: ASB-AM42U4

FEATURES

- **4TH GEN. AMD® EPYC® 9004 SERIES PROCESSORS**
- **DDR5, 24 x RDIMM / RDIMM-3DS DIMM slots**
- **DUAL 1GB/S LAN SUPPORT (RJ45)**
- **OPTIMIZED AIR COOLING 4U RACKMOUNT CHASSIS**
- **10 X PCIE GEN5 EXPANSION SLOTS**

APPLICATIONS

- Transfer AI Training
- AI Fine Tuning
- LLM Training & Inference
- AI Cloud
- GPU Accelerated HPC

DIMENSIONS	850mm x 438.4mm x 177mm / 33.46 in x 17.26 in x 6.97 in
MOTHERBOARD	PROPRIETARY 430.02mm x 350.01mm / 16.93in x 13.78in (L x W)
CPU	4th Generation AMD® EPYC™ 9004 series Processors AMD® EPYC™ 9004 series Processor support AMD® EPYC™ 9004 series processors with AMD® 3D V-Cache™ Technology up to 360W TDP
SOCKET	2 x LGA 6096 (Socket SP5)
CHIPSET	System on Chip
MEMORY	24 x DDR5 RDIMM / RDIMM-3DS slots RDIMM modules (up to 96GB -2R) RDIMM-3DS modules (up to 512GB - 2S8Rx4) 12-channel per processor 1.1V modules, 4800MHz memory speed
LAN	2 x 1Gbps Intel LAN ports (I350) 1 x Dedicated management port (BMC)
VIDEO	Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM
STORAGE	Max. 32 x SATA-3 6Gbps HDD / SSD ports (4xMICO connectors) - Shared with 2xPCIe x16 Slots 2 x M.2 NVMe PCIe Gen3 x4 or SATA-3 6Gbps SSD slot (2280/22110, M-key)
RAID	NA
EXPANSION SLOTS	10 x PCIe 5.0 x16 slots (Double width)
FRONT I/O	12 x, 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD) or 8 x 3.5/2.5-inch, Hot-Pluggable SATA-3 6Gbps Drive Bays (HDD/SSD) + 4 x U.2 NVMe PCIe Gen 3 SSD drive Bays (Shared with one PCIe Gen5 x 16 Slot) 4 x USB 3.2 Gen1 (USB Type A) 1 x VGA (DB15) 2 x 1Gbps Ethernet ports (RJ45) 1 x Dedicated IPMI Management Port (RJ45 MLAN) 1 x UID button with LED 1 x System Reset Button 2 x HDD / System Fault LEDs 1 x NMI Button
TPM	1 x TPM header with SPI interface Optional TPM 2.0 Module
POWER SUPPLY	4+1 2000W 80+ Platinum redundant power supply
OS COMPATIBILITY	Windows Server 2022 / 2019 (x64) Red Hat Enterprise Linux 9.2 / 9.1 / 9.0 / 8.7 / 8.6 (x64) SUSE Linux Enterprise Server 15SP4 (x64) Ubuntu 22.04.3 / 22.04.2 / 22.04.1 / 22.04 LTS (x64) VMware ESXi 8.0 Update 1 / 7.0 Update 3i Citrix Hypervisor 8.2 LTSR CU1
SYSTEM COOLING	8 x hot plug fans - 80x80x38mm (Max 10,000 rpm with Shock absorber) (Internal) 5 x hot plug fans - 80x80x38mm (Chassis rear panel mount)
OPERATING PROPERTIES	Operating temperature: 10°C to 35°C Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
CONTENTS	1 x full barebone unit* 5 x A/C power cords *GPU, CPU, CPU Cooler, Memory, Storage, and OS are not included in the barebone system
PACKAGE DIMENSIONS	1110mm x 652mm x 350mm / 43.70 in x 25.67 in x 13.78 in

DISCLAIMER