

G4101-01

AMD EPYC™ 9005 Server Barebone



4U 4GPU AMD EPYC™ 9005 Server Barebone with Liquid Cooling

- Single Socket SP5, supports AMD EPYC™ 9005/9004 Series processors
- [12] DDR5 DIMM Slots, 1DPC, RDIMM
- [4] PCIe 5.0 x16 FHFL triple-wide slots support GPGPU up to 450W
- [2] PCIe 4.0 x16 slots (x8 signal)
- [12] Hot-swap 2.5" U.2 PCIe 4.0 NVMe drive bays
- [1] 1000Base-T Dedicated Server Management Port
- Dual BMC ROM, ASPEED AST2600 remote controller

Applications

Video production and broadcasting applications, animation & modeling, 3D rendering drawing, visualization & design, AI training

SPECIFICATIONS

Dimensions (Width x Height x Depth)

438mm(17.2")W x 176mm(6.9")H x 831mm(32.7")D

Processor

Single AMD EPYC™ 9005/9004 Series Processor and with AMD 3D V-Cache™ Technology, up to TDP 500W

Socket

[1] AMD Socket SP5

Memory

[12] DDR5 DIMM Slots, 1DPC, RDIMM/RDIMM-3DS
Max. Frequency 6000MT/s(1DPC)
Max. Capacity per DIMM:
RDIMM: 96GB
RDIMM-3DS: 256G

Expansion Slots

[4] PCIe 5.0 x16 FHFL triple-wide slots support GPGPU upto 450W
[2] PCIe 4.0 x16 slots (x8 signal)

Networking

N/A

Storage

[12] Hot-swap 2.5" U.2 PCIe 4.0 NVMe drive bays

Video

[1] D-Sub 15-pin port from the integrated AST2600 BMC

TPM

[1] TPM header with SPI interface

Server Management

[1] 1000Base-T Dedicated Server Management Port
ASPEED AST2600 with AMI MegaRAC based firmware supporting IPMI 2.0 and DMTF Redfish API

Front I/O

[12] Hot-swap 2.5" drive bays
[1] USB 3.2 Gen 1 Type-A Port
[1] System Power LED Button
[1] UID LED Button
[1] Reset Button
[5] 8038 Easy-Swap chassis fans
[4] Status LEDs : M.2/Fault/LAN

Rear I/O Ports

[1] 1000Base-T dedicated server management port
[2] USB 3.2 Gen 1 Type-A Ports
[1] VGA D-Sub port
[1] COM RJ45 port
[1] UID LED button
[3] Status LEDs : Power/M.2/Fault

Power Supply

[1+1] 3000W redundant PSU 80+ Platinum

Environmental

System operating temperature: 0°C ~ 35°C
Non-operating temperature: -20°C ~ 70°C
Non-operating relative humidity: 5% to 85% (non-condensing)

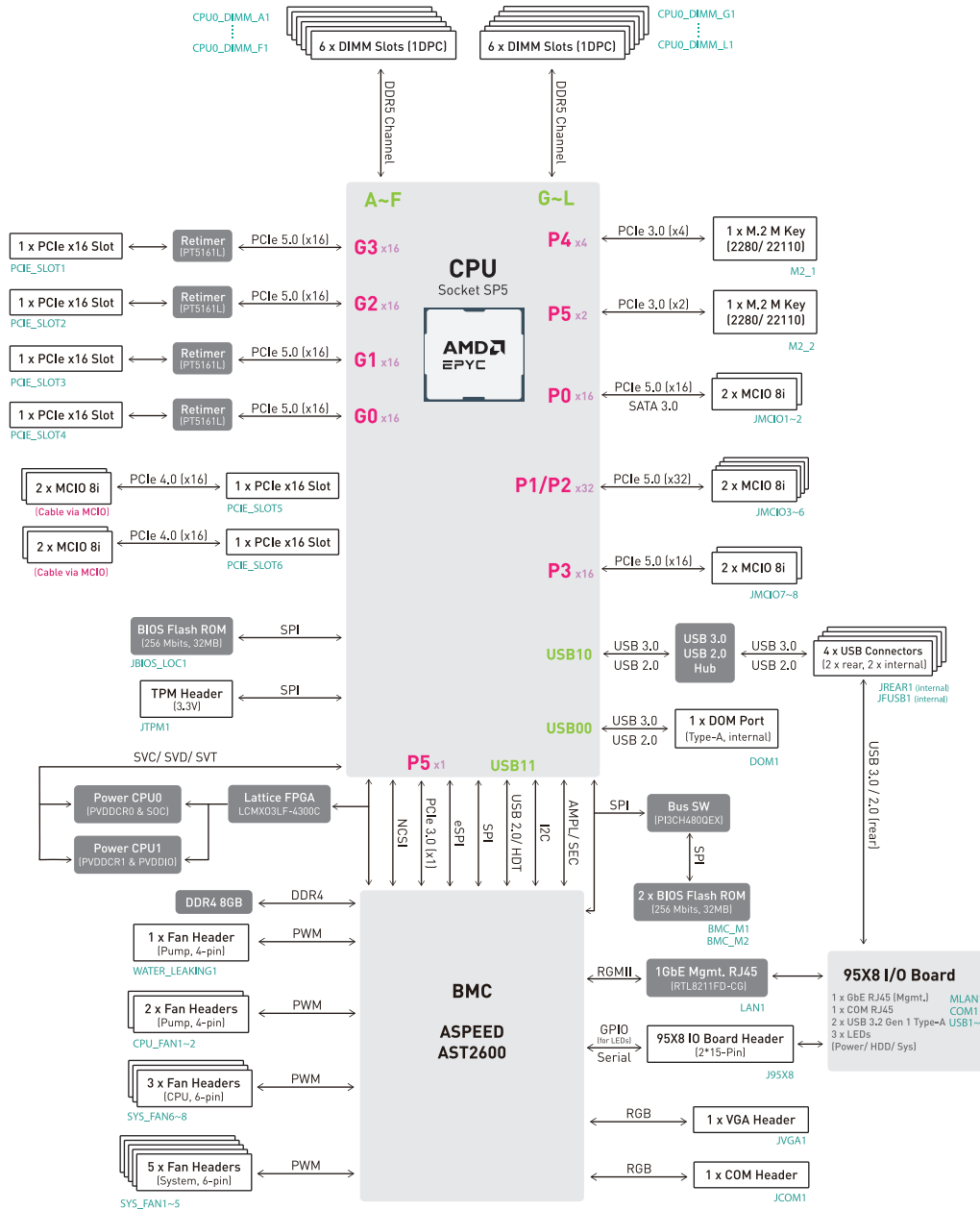
Regulatory

FCC (Class A), CE

Package Contents

[1] 4U Barebone G4101-01	
[1] Quick guide	[4] GPU card fixed brackets
[1] Slide rail kit	[4] Chassis handles
[1] Liquid cooling module	[4] Power cables

G4101-01 System Block Diagram

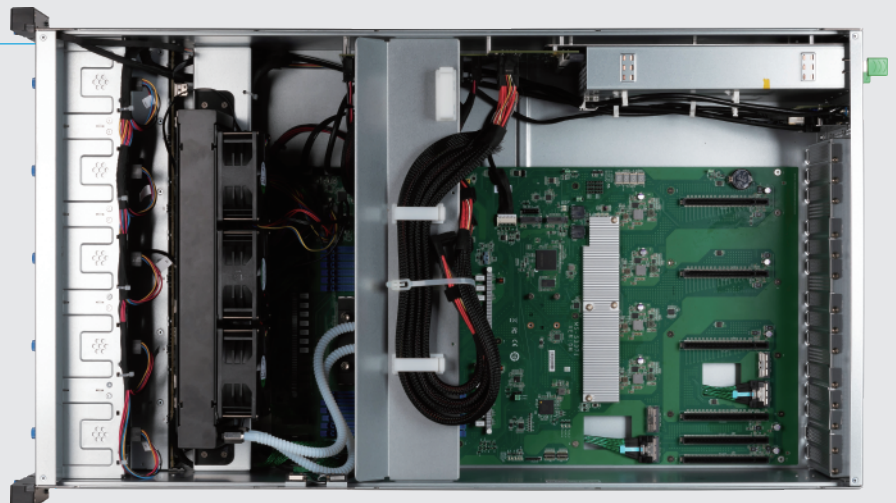


Top View



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Headquarters Tel: +886-2-32355599
eps.business@msi.com

USA Tel: +1-8884476545
epssales@msi.com

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