

G4101

AMD EPYC™ 9005 Server Barebone



SPECIFICATIONS

Dimensions (Width x Height x Depth)

438mm (17.2") Wx 176mm (6.9") Hx 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, 12 channels (1DPC), RDIMM/RIMM-3DS

- Max. Frequency 6400MT/s (1DPC)

- Max. Capacity per DIMM: 256GB

Expansion Slots

(4) PCIe 5.0 x16 FHFL

(2) PCIe 4.0 x16 slots FHFL 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

4U AMD EPYC™ 9005 Server Barebone with Liquid Cooling or Air Cooling

- Single Socket SP5, supports AMD EPYC™ 9005/9004 Series processor
- (12) DDR5 DIMM Slots, 1DPC, RDIMM
- (4) PCIe 5.0 x16 slots
- (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
- (1) ASPEED AST2600 with IPMI & DMTF Redfish Support, Dual BMC Flash
- Closed loop liquid cooling module or air cooling module for CPU

Applications

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

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) Redundant 3000W CRPS 80+ Platinum (G4101-01, G4101-04)

(1+1) Redundant 3000W CRPS Titanium (G4101-03, G4101-05)

Environmental

System operating temperature: 0°C ~ 35°C Non-operating

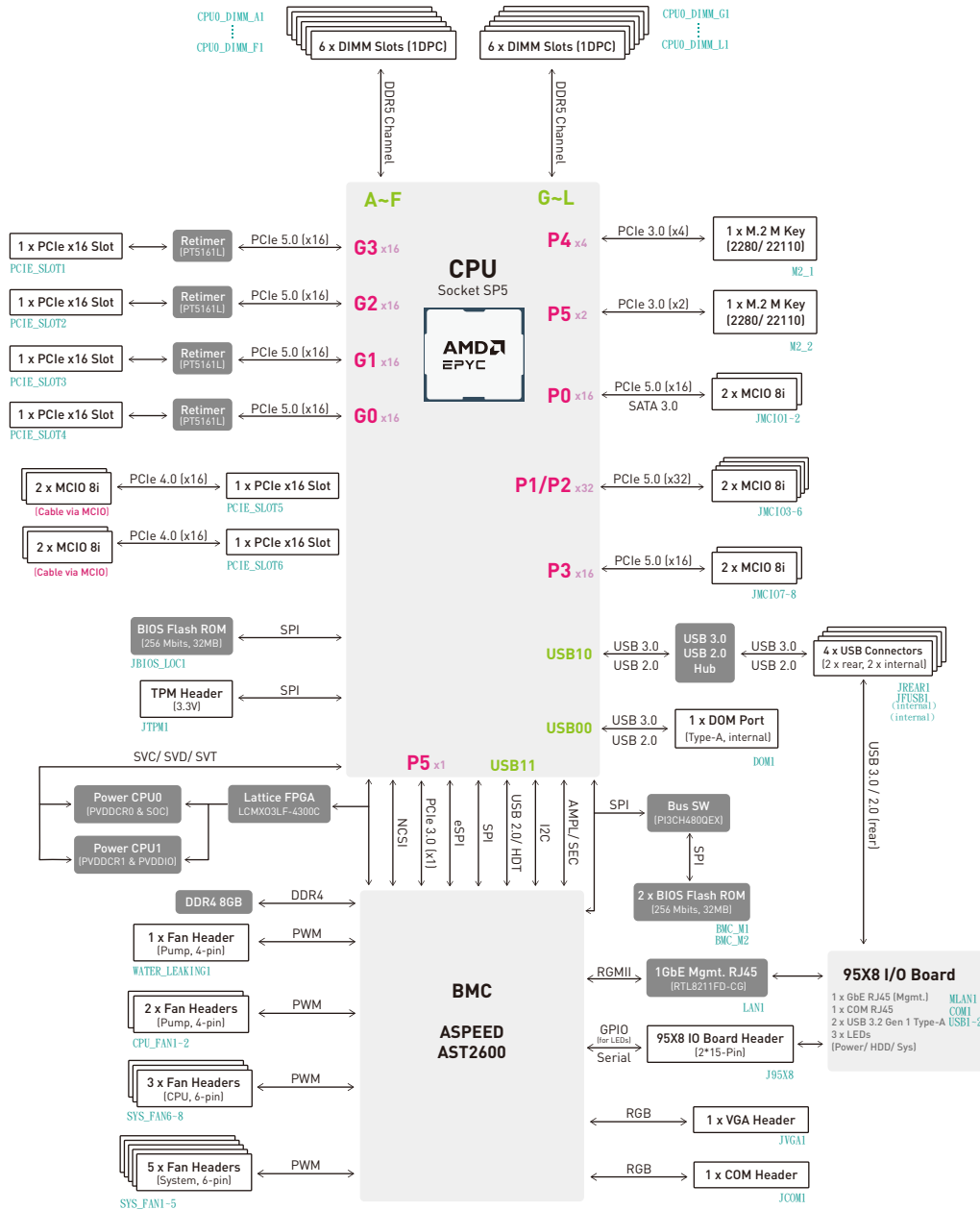
temperature: -20°C ~ 70°C Non-operating relative humidity: 5%

to 85% (non-condensing)

Regulatory

FCC (Class A), CE

G4101 System Block Diagram



Top View



G4101-01/03



G4101-04/05

SKU TABLE

Standard SKUs	Front Storage	Power Supply
G4101-01	(1) Liquid cooling module for max. 500W CPU	(1+1) Redundant 3000W CRPS 80 PLUS Platinum
G4101-03	(1) Liquid cooling module for max. 500W CPU	(1+1) Redundant 3000W CRPS Titanium
G4101-04	(1) Air cooling module for max. 500W CPU	(1+1) Redundant 3000W CRPS 80 PLUS Platinum
G4101-05	(1) Air cooling module for max. 500W CPU	(1+1) Redundant 3000W CRPS Titanium

Learn more about MSI servers, visit <https://eps.msi.com>

Specifications are subject to change without notice. Please visit our website for the latest information.

