

S1102

AMD EPYC™ 4004/4005 Server Barebone



SPECIFICATIONS

Dimensions (Width x Height x Depth)

438.5mm x 43.5mm x 547.6mm (21.56" deep) (Air Cooled)

438.5mm x 43.5mm x 660mm (26" deep) (Liquid Cooled)

Processor

Single AMD Ryzen™ 7000/9000 Series and EPYC™ 4004/4005 Series Processor

Maximum CPU TDP up to 105W (Air Cooled SKU)

Maximum CPU TDP up to 170W (Liquid Cooled SKU)

Chipset

AMD B650

Memory

(4) DDR5 DIMM slots, 2DPC, ECC/non-ECC UDIMM

- Max. Frequency 5600MT/s (1DPC) and 3600MT/s (2DPC)

- Max. Capacity per DIMM: 48GB

Expansion Slots

(1) PCIe 4.0 x16 slot from CPU support FHHL PCIe card

Networking

(2) 10GBase-T Ethernet ports (Intel® X710AT2)

* JLAN1,2 supports NCSI

Storage

(4) Hot-swap front 3.5"/2.5" drive bays support SATA 3.0

(2) Internal 2.5" drive bays support SATA 2.0

(2) M.2 2280/22110 PCIe4.0 x4 ports

Server Management

(1) 1000Base-T Dedicated Server Management Port

ASPEED AST2600 with AMI MegaRAC based firmware supporting IPMI 2.0 and DMTF Redfish API

1U AMD EPYC 4005 Server with Optional Liquid Cooler

- (1) AMD Socket AM5 EPYC 4004/4005 / Ryzen 7000/9000 Processor
- Optional closed loop liquid cooling with TDP up to 170W
- (4) DDR5 DIMM slots (2 memory channels)
- (6) SATA 3/6G drive bays (four front 3.5" + two internal 2.5")
- (2) 10GBase-T Ethernet ports
- (1) PCIe Gen4 x16 slot

Applications

Private cloud, email server, object storage server, web-hosting, computer assisted design (CAD), backup system application, small office server

Security

(1) TPM header with SPI interface supports TPM2.0

Front I/O

(4) Hot-swap 3.5"/2.5" drive bays

(2) USB3.2 Gen1 Type-A ports

(1) System power button

(1) UID button

(1) UID LED

(5) Status LEDs: Power/Fault/HDD/(2) LAN

Rear I/O Ports

(2) 10GBase-T Ethernet Ports

(1) 1000Base-T Dedicated Server Management Port

(4) USB3.2 Gen1 Type-A Ports

(1) VGA D-Sub Port

(1) COM DB9 Port

(1) UID LED Button

Power Supply

(1+1) 450W Redundant PSU 80+ Platinum (Air Cooled SKU)

(1+1) 600W Redundant PSU 80+ Platinum (Liquid Cooled SKU)

Environmental

System Operating Temperature: 0°C ~ 35°C

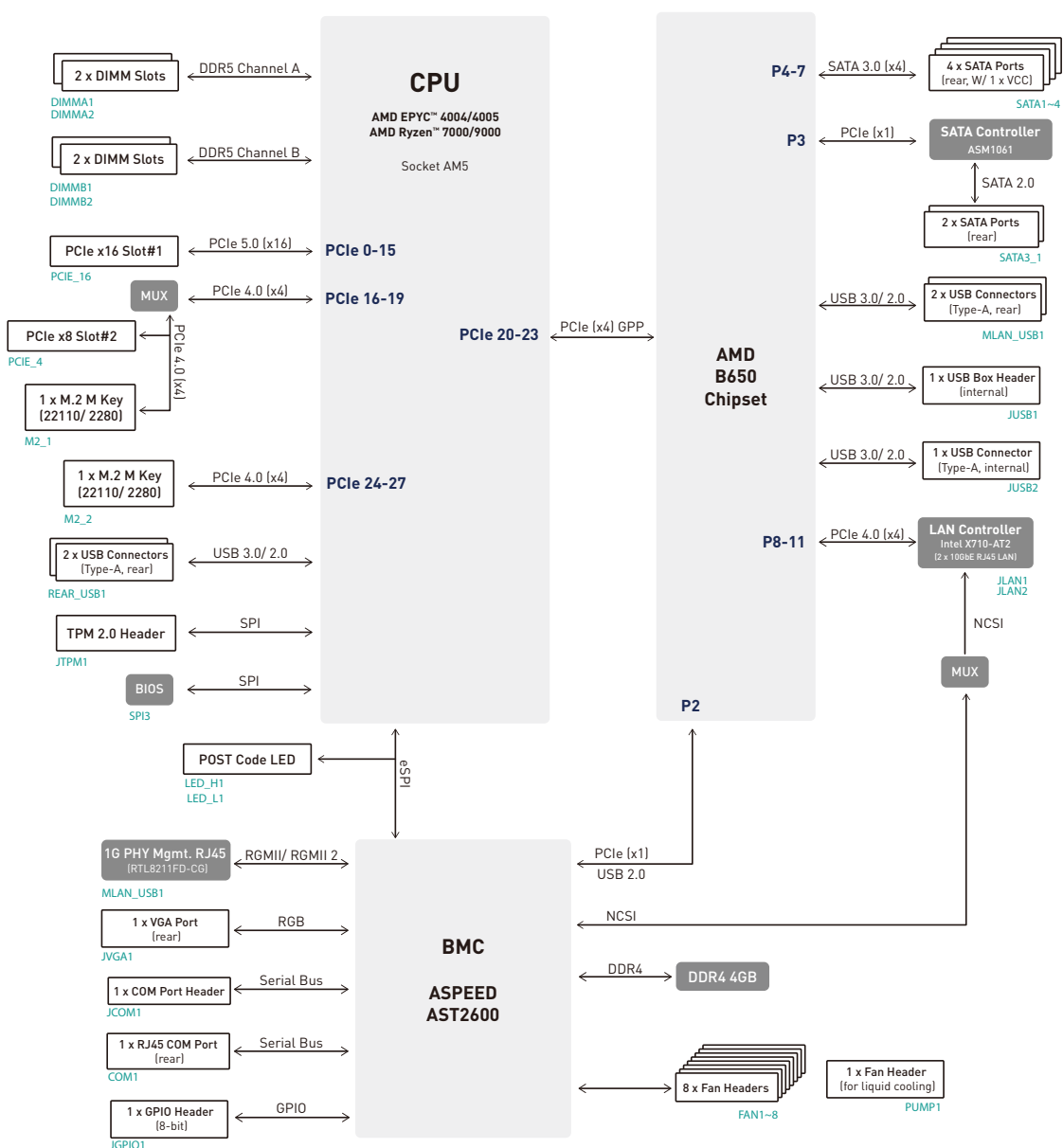
Non-operating Temperature: -20°C ~ 70°C

Non-operating Relative Humidity: 5% to 85% (non-condensing)

Regulatory

FCC (Class A), CE

S1102 System Block Diagram



Top View



S1102-01 (Air Cooled) System Top View



S1102-02 (Liquid Cooled) System Top View

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



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