

D3052

AMD EPYC™ 4004 Server Motherboard



SPECIFICATIONS

Form Factor

9.6" x 9.6" Micro ATX

Processor

Single AMD EPYC™ 4004 / Ryzen™ 7000 Processor, up to TDP 170W

Socket

(1) AMD Socket AM5

Memory

(4) DDR5 DIMM slots, 2DPC, ECC/non-ECC UDIMM
 - Max. Frequency 5200MT/s(1DPC) and 3600MT/s(2DPC)
 - Max. Capacity per DIMM: 48GB

Chipset

AMD B650

Expansion Slots

(1) PCIe 5.0 x16 slot from CPU
 (1) PCIe 5.0 x8 slot [x4 signal] from CPU

Networking

(2) 25G SFP28 Ethernet Ports (Intel® E810-XXVAM2)

Storage

(4) SATA3.0 ports (one port supports SATA DOM)
 (2) SATA2.0 ports
 (1) M.2 2280/22110 PCIe4.0 x4 port

Display

(1) D-Sub 15-pin port from the integrated AST2600 BMC
 (1) HDMI A type from CPU

Single-Socket AMD AM5 uATX Server Motherboard with 25G Ethernet

- PCIe Gen 5x16 slot for best-in-class graphic & video creation and editing
 - Onboard 25G SFP28 Ethernet
 - Onboard server management with AST2600 BMC
 - Entry level server processor
 - PCIe Gen 5x16 slot for best-in-class graphic & video creation and editing
- Standard uATX form factor

Applications

Private & public cloud, object storage server, web-hosting, edge computing, CAD (Computer-Aided Design), backup system application, professional workstations

USB

(7) USB3.2 Gen1 ports

Security

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

Server Management

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

Rear I/O Ports

(2) 25G SFP28 Ethernet ports
 (1) 1000Base-T Dedicated Server Management port
 (4) USB3.2 Gen1 Type-A ports
 (1) HDMI™ 1.4b Connector
 (1) VGA D-Sub port
 (1) COM DB9 port
 (1) UID LED button
 (1) 1x4 Link/Speed LEDs for SFP28 ports

Environmental

Operating Temperature: 0°C ~ 40°C
 Non-operating Temperature: -20°C ~ 70°C
 Non-operating Relative Humidity: 5% ~ 85% (non-condensing)

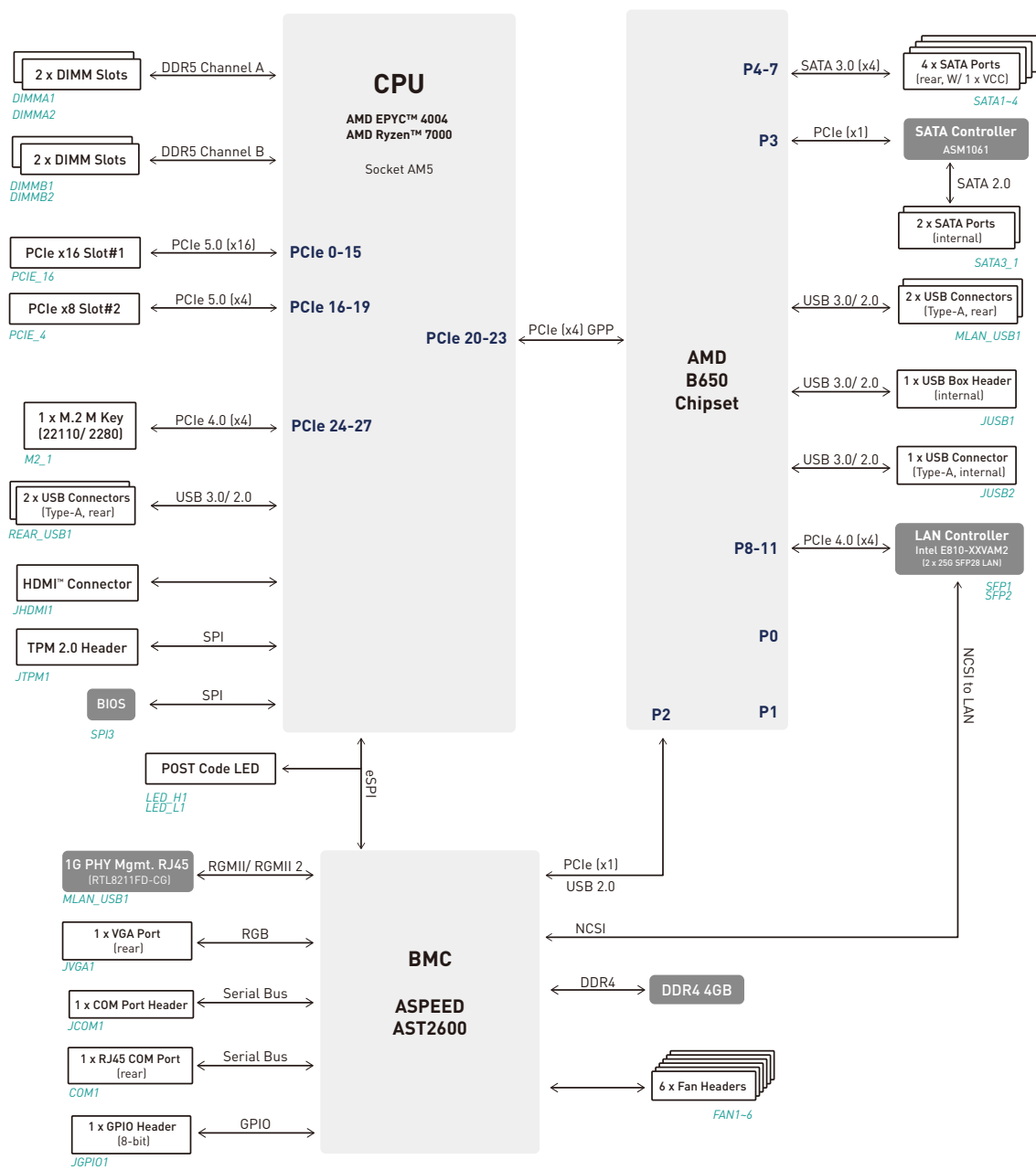
Package Contents

(1) Quick guide
 (1) D3052 motherboard
 (1) I/O shield
 (2) SATA cables
 (2) Retention frames

Optional Parts

TPM2.0 module: TPM20-IR

D3502 Motherboard Block Diagram



SKU TABLE

SKU	Storage	Networking
D3052GB2N-25G	(4) SATA3.0 ports (one port supports SATA DOM) (2) SATA2.0 ports (1) M.2 2280/22110 PCIe4.0 x4	(2) 25G SFP28 Ethernet ports (Intel® E810-XXVAM2)



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

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