EPYCD8-2T

- ATX 12'' x 9.6''
- Single Socket SP3(LGA4094) support AMD EPYC 7002/7001 series processor family
- Supports 8 Channels DDR4 3200/2933/2666/2400 RDIMM, LRDIMM 8 x DIMM slots
- Supports 8x SATA3 6.0 Gb/s (from 2x mini SAS HD), 1x SATA DOM and 2 x M.2
- Supports 2 X 10G LAN by Intel X550
- Supports 4 PCIe3.0x 16, 3 PCIe 3.0x8
- Supports 2 OCulink

Specifications   Download   Manual   CPU Support List   Memory QVL   News

Specifications

MB Physical Status	
Form Factor	- ATX
Dimensions	- 12" x 9.6" (30.5 cm x 24.4 cm)

Processor System	
CPU	- AMD EPYC™ 7002/7001 series processor family
Socket	- Single Socket SP3 (LGA4094)

System Memory	
Capacity	- 8 DIMM slots
Type	- Eight Channel DDR4 memory technology - Supports DDR4 RDIMM and LRDIMM
DIMM Size Per DIMM	- RDIMM: 32GB, 16GB, 8GB - LRDIMM: 128GB, 32GB
DIMM Frequency	- RDIMM: 3200/2933/2666/2400MHz - LRDIMM: 3200/2933/2666/2400MHz
Voltage	- 1.2V

Expansion Slot	
PCIe 3.0 x 16	- PCIE1: Gen3 x16 link - PCIE3: Gen3 x16 link - PCIE5: Gen3 x16 link - PCIE7: Gen3 x16 link
PCIe 3.0 x 8	- PCIE2: Gen3 x8 link - PCIE4: Gen3 x8 link - PCIE6: Gen3 x8 link

Storage	
SATA Controller	- 9 x SATA3 6.0 Gb/s (from 2x mini SAS HD and 1x SATA DOM port)
OCuLink for U.2	- 2

Ethernet	
Interface	- 10000/1000 /100 /10 Mbps by Intel® X550
LAN Controller	- 2 x RJ45 10G base-T by Intel® X550 - 1 x RJ45 Dedicated IPMI LAN port by RTL8211E - Supports Wake-On-LAN - Supports Energy E_cient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE - LAN1 supports NCSI

Management	
BMC Controller	- ASPEED AST2500
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Features	- Watch Dog - NMI

Graphics

Controller	- ASPEED AST2500
VRAM	- DDR4 128Mb

Rear Panel I/O

VGA Port	- 1 x D-Sub
USB 3.1 Gen1 Port	- 2
Lan Port	- 2+1 RJ45 Gigabit Ethernet LAN port - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Serial Port	- 1 x COM port
UID Button/UID LED	- 1

Internal Connector

SATA DOM	- 1
M.2	- 2(M2_1: 2230/2242/2260/2280, SATA/PCIE(X4); M2_2:2230/2242/2260/2280/22110, SATA/PCIE(X4))
Front LED	- 1
Auxiliary Panel Header	- 1 (includes chassis intrusion, location button & LED, and front LAN LED)
TR1 Header	- 1
TPM Header	- 1
IPMB Header	- 1
Fan Header	- 7 Fans x 6-pin (1CPU/4Front/2Rear)
ATX Power	- 1 x (24-pin) + 1 x (8-pin) + 1 x (4-pin) + 1 x (6-pin)(6 pin for GPU for PCIE Slot)
USB 3.1 (Gen1) Header	- 1 (supports 2 USB 3.0 ports)
USB 2.0 Header	- 1
Speaker Header	- 1
BMC_SMB Header	- 1
Clear CMOS	- 1
PSU SMB Header	- 1

Onboard LED

80 Debug Port LED	- 1
Fan Fail LED	- 1 (only Fan Fail LED)

System BIOS

BIOS Type	- 32MB AMI UEFI Legal BIOS
BIOS Features	- Plug and Play (PnP) - ACPI 2.0 Compliance Wake Up Events - SMBIOS 2.8 Support - ASRock Rack Instant Flash

Hardware Monitor

Temperature	- CPU Temperature Sensing - MB/TR1/Card side Temperature Sensing
Fan	- CPU/Rear/Front Fan Tachometer - CPU Quiet Fan (Allow CPU Fan Speed Auto-Adjust by CPU Temperature) - CPU/Rear/Front Fan Multi-Speed Control
Voltage	- Voltage Monitoring: Vsoc,Vcpu, VCCM, VPPM, 3V/5V/12V, +BAT, 3VSB, 5VSB

Support OS

OS	Microsoft® Windows® - Server 2012 R2 (64 bit) - Server 2016 (64 bit) Linux - RedHat Enterprise Linux Server 6.9 (64 bit) / 7.3 (64 bit) - CentOS 6.9 (64 bit) / 7. 3 (64 bit) - SUSE Enterprise Linux Server 11 SP4 (64 bit) / 12 SP2 (64 bit) - Ubuntu 16.04 (64 bit) / 17.04 (64 bit) - CITRIX XenServer 7.5 Virtual: - VMWare® ESXi 6.5 u1 - vSphere 6.5 u1 * Please refer to our website for the latest OS support list.

Environment

Temperature	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C

The specification is subject to change without notice in advance. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.