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Apogean Dual Socket AMD EPYC 9004 Series Processors Tower Server
AD4T-E4-G / AD8T-E4-G

Key Features

- Dual AMD EPYC™ 9004 Series Processors (with AMD 3D V-Cache™ Technology)

- Max cTDP 400W

- 12-Channel RDIMM DDR5, 24 x DIMMs

- 4 or 8 Bay 3.5"/2.5" Internal / Hot Swap Drive Slots.

- 2 x 10Gb/s BASE-T LAN ports via Broadcom® BCM57416

- 2 x SlimSAS 8i connectors with PCIe Gen4 x8 or SATA interface

- 1 x SlimSAS 4i connectors for 4 x SATA 6Gb/s

- 1 x M.2 slot with PCIe Gen4 x4 interface

- 4 x PCIe Gen4 x16 expansion slots

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Specifications

Form Factor
Tower (Optional – Convertible to 4U Rack Mount)

CPU
AMD EPYC™ 9004 Series Processors

AMD EPYC™ 9004 Series Processors with AMD 3D V-Cache™ Technology

Dual processor, 5nm technology

Up to 128 cores, 256 threads per processor

CTDP up to 400W

Socket
2 x LGA 6096

Socket SP5

Chipset
System on Chip

Memory
24 x DIMM slots

DDR5 memory supported only

12-Channel memory architecture

RDIMM up to 96GB supported

3DS RDIMM up to 256GB supported

Memory speed: Up to 4800 MT/s

LAN
2 x 10Gb/s BASE-T LAN ports (1 x Broadcom® BCM57416) Support NCSI function

1 x 10/100/1000 Mbps Management LAN

Video
Integrated in Aspeed® AST2600

2D Video Graphic Adapter with PCIe bus interface

1920x1200@60Hz 32bpp

Storage
4 or 8 Bay 3.5"/2.5" Internal/Hot Swap Drive Slots.

RAID
N/A onboard, only Via External RAID Controller Card

Expansion Slots
Slot_4: PCIe x16 (Gen4 x16) slot. from CPU_0

Slot_3: PCIe x16 (Gen4 x16) slot, from CPU_0

Slot_2: PCIe x16 (Gen4 x16) slot, from CPU_1

Slot_1: PCIe x16 (Gen4 x16) slot, from CPU_1

1 x M.2 slot:
M-key
PCIe Gen4 x4, from CPU_0
Supports 2280/22110 cards

TPM
1 x TPM header with SPI interface

Optional TPM2.0 kit: CTMo10

Power Supply
Single : 750W, 850W, 950W, 1000W, 1200W, 1500W, 1600W, 2000W

Redundant : 800W, 1200W, 1600W, 2000W.

Internal I/O
1 x 24-pin ATX main power connector

2 x 8-pin ATX 12V power connectors

2 x 6-pin ATX 12V power connectors

2 x CPU fan headers

4 x System fan headers

1 x USB 3.2 Gen1 x2 header

1 x M.2 slot

2 x SlimSAS 8i connectors

1 x SlimSAS 4i connector

1 x Front panel header

1 x Backplane board header

1 x PMBus connector

1 x IPMB connector

1 x TPM header

Rear I/O
2 x USB 3.2 Gen1

1 x VGA

1 x COM

2 x RJ45

1 x MLAN

1 x ID button with LED

Board Management
Aspeed® AST2600 management controller Management Console (AMI MegaRAC SP-X) web interface

Dashboard

HTML5 KVM

Sensor Monitor (Voltage, RPM, Temperature, CPU Status ...etc.)

·Sensor Reading History Data

FRU Information

SEL Log in Linear Storage / Circular Storage Policy

Hardware Inventory

Fan Profile

System Firewall

Power Consumption

Power Control

Advanced power capping

LDAP / AD / RADIUS Support

Backup & Restore Configuration

Remote BIOS/BMC/CPLD Update

Event Log Filter

User Management

Media Redirection Settings

PAM Order Settings

SSL Settings

SMTP Settings

Operating Properties
Operating temperature: 10°C to 40°C

Operating humidity: 8-80% (non-condensing)

Non-operating temperature: -40°C to 60°C

Non-operating humidity: 20%-95% (non-condensing)

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