Apogean Single Socket AMD 4th Gen Tower Server / Workstation
AS4T-E4-T / AS8T-E4-T

Key Features

- Single Socket AMD EPYC Genoa / Bergamo / Genoa X CPU

- Tower Form Factor (Convertible to 4U Rack - Optional)

- 8 DIMM slots w/DDR5 4800 memory support

- 4 or 8 x 3.5" SATA Internal/ Hot Swap Drive Slots

- 5 PCIe 5.0 x16 slots

- 2 MCIO 8x & 2 MCIO 4x conn. (NVMe)

- 2 NVMe M.2 22110 / 2280 slots

- 2 1000Base-T LAN + 1 dedicate 1000 Base-T IPMI ports

- AST2600 BMC with IPMI 2.0 & Redfish support

Choose from our wide range of workstation & server offerings
get in touch with our server experts
sales@apical.in | www.apical.in | www.apogean.in

Specifications

Processor

Q'ty / Socket Type	(1) AMD Socket SP5
Supported CPU Series	(1) AMD EPYC™ 9004 Series Processor
Thermal Design Power Wattage	Max up to 400W (CTDP)

Memory

Supported DIMM Qty	(8) DIMM slots
DIMM Type / Speed	DDR5 4800 MHz (1DPC) / 4000MHz (2DPC)
Capacity	Up to 2,048GB RDIMM/3DS RDIMM DDR5 4800/4000 memory
Memory channel	8 Channels per CPU
Memory voltage	1.1V

Expansion Slots

PCIe	(5) PCIe Gen.5 x16 slots

LAN

Q'ty / Port	(2) GbE ports + (1) GbE dedicated for IPMI
Controller	Intel I210-AT
PHY	Realtek RTL8211F

Storage SATA

Drive Slots	(4 or 8) 3.5"/2.5" SATA Internal/ Hot Swap Drive Slots
Controller	Direct from AMD EPYC CPU
Speed	6Gb/s
RAID	N/A

Storage NVMe

Connector (M.2)	(2) 22110/2280 (by PCIe Gen.4 interface)
Connector (U.2)	(2) MCIO x4 / (2) MCIO x8

Graphic VGA

Connector type	D-Sub 15-pin
Resolution	Up to 1920X1080 @60Hz
Chipset	Aspeed AST2600

Input /Output

NVMe	(2) MCIO x4 / (2) MCIO x8
USB	(2) USB3.2 Gen.1 ports
COM	(1) DB-9 COM Connector
VGA	(1) D-Sub 15-pin port
RJ-45	(2) GbE ports + (1) GbE dedicated for IPMI
Front Panel	(1) 2x12-pin SSI front panel header
SATA	(2) Mini-SAS HD (SFF-8643) connectors / (4) 7-pin SATA connectors
Power	(2) 2x4 Power input connectors / (1) 2x12 Power input connector
Others	(1) ID button

TPM (Optional)

TPM Support	Please refer to our TPM supported list.
Interface	SPI

System Monitoring

Chipset	Aspeed AST2600
Fan	Total (6) 4-pin headers
Temperature	Monitors temperature for CPU & system environment
Voltage	Monitors voltage for CPU, memory, chipset & power supply
LED	Fan fail LED indicator / Over temperature warning indicator
Others	Watchdog timer support

Server Management

Onboard Chipset	(2) GbE ports + (1) GbE dedicated for IPMI
AST2600 iKVM Feature	Intel I210-AT
AST2600 IPMI Feature	Realtek RTL8211F

BIOS

Brand / ROM size	AMI / 32MB
Feature	Hardware Monitor / FAN speed control automatic / Boot from USB device/PXE via LAN/Storage / Console Redirection / SMBIOS 3.0/PnP/Wake on LAN / ACPI sleeping states S0, S5

Physical Dimension

Form Factor	Tower (Convertible to 4U Rack Optional)
Board Dimension	12" x 10.5" (305 x 267mm)

Power Supply

Single	750, 850, 1000, 1200, 1600, 2000W
Dual	800, 1200, 1600, 2000W

Certifications

BIS	Yes
QCI	Yes
ISO	Yes

Operating Environment

Operating Temp.	10° C ~ 35° C (50° F~ 95° F)
Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
In/Non-operating Humidity	90%, non-condensing at 35° C