



APOGEAN SERVER AD262U-E3-8252-T

2U2S server platform designed for
HPC/ VM applications

FRONT



- ⑩ Dual Socket Sp3
- ⑩ (2) AMD EPYC™ 7002/7003 Series Processor
- ⑩ (32) RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200, Up to
- ⑩ 8192GB RDIMM
- ⑩ Upto (4) PCIe Gen.4x16 slots + (1) Gen. 4 x 8 slot via riser cards +(1) PCIe Gen. 4 x 16 OCP 3.0 slot 2T)
- ⑩ Upto (9) PCIe Gen.4 x8 slots +(1) PCIe Gen.4 x 16 OCP 3.0 slot (8X 2T)
- ⑩ (2) 10GbE + (1) IPMI ports
- ⑩ Onboard BMC w/ IPMI and iKVM support
- ⑩ (1+1) 1,600W CRPS, 80+ Platinum

BACK



AMD
EPYC



nvm
EXPRESS

PCIe 4.0

TOP VIEW

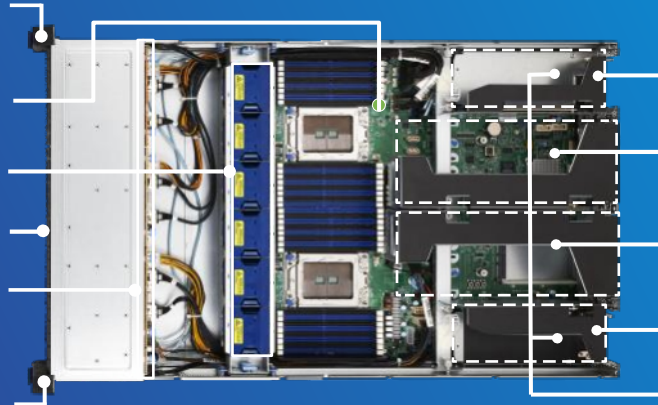
USB Board
M1717T65-USB
S8252GM2NE-2T
(2) AMD EPYC™ 7002/7003

Series Processor
(32) DIMM slots
(2) 10 GbE + (1) IPMI ports

System Fan
(6) 6cm fans
(18) 2.5" Hot-swap
SSD/HDD + (8) NVMe U.2

HDD Backplane
(2) M1295T65-BP12-8 +
(1) M1296T65A-BPE-8 +
(1) M1298T65-BP12E-2

Front Panel Board
M1718T65-FPB



Pre-install riser card
(1) HH/HL PCIe Gen.4 x16
(M8252T75-L16-1L Riser)

Pre-install riser card
(1) FH/10.5" L PCIe Gen.4 x16
(M8252T75-L24-1F Riser)

Pre-install riser card
(1) FH/10.5" L PCIe Gen.4x16+
(1) FH/HL PCIe Gen.4x8
(M8252T75-R24-2F Riser)

Pre-install riser card
(1) HH/HL PCIe Gen.4 x16
(M8252T75-R16-1L Riser)

1,600W (@220V) CRPS



System	Form Factor	2U Rackmount
	Chassis Name	TS75A
	Dimension (D x W x H)	29.56" x 17.26" x 3.43" (750.8 x 438.4 x 87mm)
	Motherboard	S8252GM2NE-2T # The motherboard not sold separately
Front Panel	Gross Weight	30 kg (66 lbs)
	Net weight	19 kg (42 lbs)
	Buttons	(1) RST / (1) ID / (1) PWR w/ LED
External Drive Bay	LEDs	(1) HDD / (2) LAN / (1) ID / (1) BMC event
	I/O Ports	(2) USB 3.1 Gen.1 ports
	Q'ty / Type	(18) 2.5" Hotswap SSD/HDD + (8) NVMe
System Cooling Configuration	HDD backplane support	SAS 12Gb/s / SATA 6Gb/s / NVMe
	Supported HDD Interface	(18) SATA 6Gb/s + (8) NVMe
Power Supply	Notification	The SAS/SATA HDD backplane is connected to onboard SATA connection by default. Please contact Tyan technical support if a discrete SAS HBA/RAID adapter is required.
	FAN	(6) 6cm fans
	Type	CRPS
	Input Range	AC 100-127V/12A / AC 200-240V/9.48A
Processor	Efficiency	80 plus Platinum
	Output Watts	1,600 Watts
	Redundancy	1+1
Memory	Q'ty / Socket Type	(2) AMD Socket SP3
	Supported CPU Series	(2) AMD EPYC™ 7002/7003 Series Processors
	Thermal Design Power (TDP) wattage	Max up to 240W
Expansion Slots	Supported DIMM Qty	(16)+(16) DIMM slots
	DIMM Type / Speed	DDR4 ECC RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200
	Capacity	Up to 8192GB RDIMM
	Memory channel	8 Channels per CPU
LAN	Memory voltage	1.2V
	PCIe	(2) PCIe Gen.4 x16 slots (FH/10.5" L) (1) PCIe Gen.4 x8 slot (FH/HL) (2) PCIe Gen.4 x16 slots (HH/HL)
	Pre-install TYAN Riser Card (PCIe Gen.4)	(1) M8252T75-L-241F riser card for (1) FH/10.5" L PCIe Gen.4x16 slot (left) (1) M8252T75-R24-2F riser card for (1) FH/10.5" L PCIe Gen.4x16 + (1) FH/HL PCIe Gen4 x8 slots (right) (1) M8252T75-L16-1L riser card for (1) HH/HL PCIe Gen.4x16slot (left) (1) M8252T75-R16-1L riser card for (1) HH/HL PCIe Gen.4x16 slot (right)
	Others:	(1) PCIe Gen.4 x16 OCP 3.0 slot
	Port Q'ty	(2) 10GbE ports + (1) GbE port dedicated for IPMI
LAN	Controller	Intel X550-AT2
	PHY Controller	Realtek RTL8211E

(Specifications are subject to change without notice. Items pictured may only be representative.)

Storage	Connector	(2) SFF-8654 connectors for up to (16) SATA ports
	Controller	Direct from AMD EPYC CPU
	Speed	6Gb/s
	RAID	N/A
Graphic	Additional Connector	(2) SATA
	Controller	Marvell 9235
	Speed	6Gb/s
Input/Output	RAID	N/A
	Connector (U.2)	(4) SFF-8654 connectors for (8) front NVMe
	Connector (M.2)	(2) 22110/2280 (by PCIe Gen.4 interface)
	Connector type	D-Sub 15-pin
TPM (Optional)	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2500
	USB	(2) USB3.1 Gen.1 ports (@ front) (2) USB3.1 Gen.1 ports (@ rear)
	COM	(2) headers (COM1, COM2)
System Monitoring	VGA	(1) D-Sub 15-pin port
	RJ-45	(2) 10GbE ports + (1) GbE dedicated for IPMI
	TPM Support	Please refer to our TPM supported list.
	Chipset	Aspeed AST2500
Server Management	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & memory & system environment
	LED (On system front panel)	Over temperature warning indicator, Fan & PSU fail LED indicator
	Others	Watchdog timer support
BIOS	Onboard Chipset	Onboard Aspeed AST2500
	AST2500 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
	AST2500 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
Regulation	Brand / ROM size	AMI / 32MB
	Feature	Hardware Monitor / SMBIOS 3.0/PnP/Wake on LAN / Boot from USB device/PXE via LAN/Storage / Console Redirection/ ACPI 6.1 / ACPI sleeping states S0, S5 / FAN speed control automatic
Operating Environment	OS supported list	Please refer to our AVL support list
	FCC (SDoC)	Class A
	CE (DoC)	Class A
	VCCI	Class A
RoHS	RCM	Class A
	CB/LVD	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
RoHS	RoHS 6/6 Compliant	Yes