



APOGEAN 2U DUAL SOCKET AMD EPYC SERVER PLATFORM AD122U-E3-8252-T

2U2S server platform designed for HPC/ VM applications

FRONT



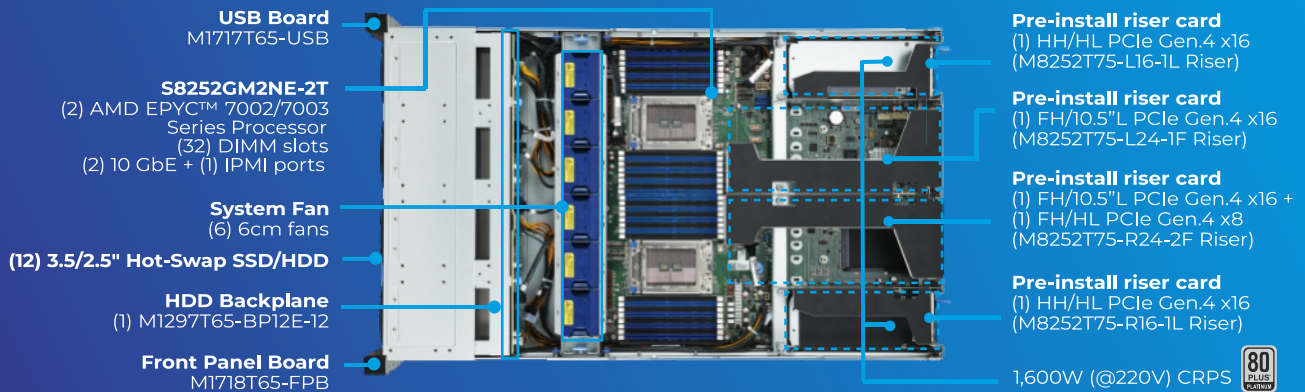
BACK



- ⑩ Dual Socket Sp3
- ⑩ (2) AMD EPYC™ 7002/7003 Series Processor
- ⑩ (32) RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200, Up to 8192GB RDIMM
- ⑩ Up to (4) PCIe Gen.4 x16 slots + (1) Gen.4 x8 slot via riser cards + (1) PCIe Gen.4x16 OCP 3.0 slot (-2T)
- ⑩ Up to (9) PCIe Gen.4 x8 slots + (1) PCIe Gen.4 x16 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



TOP VIEW



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	
	Gross Weight	30 kg (66 lbs)	
	Net weight	19 kg (42 lbs)	
Front Panel	Buttons	(1) RST / (1) ID / (1) PWR w/ LED	
	LEDs	(1) HDD / (2) LAN / (1) ID / (1) BMC event	
	I/O Ports	(2) USB 3.1 Gen.1 ports	
	Q'ty / Type	(12) 3.5/2.5" Hot-Swap SSD/HDD	
External Drive Bay	HDD backplane support	SAS 12Gb/s /SATA 6Gb/s / NVMe	
	Supported HDD Interface	12) SATA 6Gb/s with (4) NVMe ports	
	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	
System Cooling Configuration	FAN	(6) 6cm fans	
	Type	CRPS	
	Input Range	AC 100-127V/12A / AC 200-240V/9.48A	
Power Supply	Efficiency	80 plus Platinum	
	Output Watts	1,600 Watts	
	Redundancy	1+1	
Processor	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	
	Supported DIMM Qty	(16)+(16) DIMM slots	
Memory	DIMM Type / Speed	DDR4 ECC RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200	
	Capacity	Up to 8192GB RDIMM	
	Memory channel	8 Channels per CPU	
	Memory voltage	1.2V	
	PCIe	(2) PCIe Gen.4 x16 slots (FH/10.5"L) (1) PCIe Gen.4 x8 slot (FH/HL)	
Expansion Slots	Pre-install TYAN Riser Card (PCIe Gen.4)	(1) M8252T75-L24-1F riser card for (1) FH/10.5"L PCIe Gen.4 x16 slot (left)	
	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	
Storage	SATA	Connector	(2) SFF-8654 connectors for (12) front SATA
		Controller	Direct from AMD EPYC CPU
		Speed	6Gb/s
		RAID	N/A
	NVMe	Connector (U.2)	(2) SFF-8654 connectors for (4) front NVMe
		Connector (M.2)	(2) 22110/2280 (by PCIe Gen.4 interface)

Graphic	Connector type	D-Sub 15-pin
	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2500
Input /Output	USB	(2) USB3.1 Gen.1 ports (@ front) (2) USB3.1 Gen.1 ports (@ rear)
	COM	(2) headers (COM1, COM2)
	VGA	(1) D-Sub 15-pin port
TPM (Optional)	RJ-45	(2) 10GbE ports + (1) GbE dedicated for IPMI
	TPM Support	Please refer to our TPM supported list.
	Chipset	Aspeed AST2500
System Monitoring	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
Server Management	Others	Watchdog timer support
	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
BIOS	AST2500 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
	Brand / ROM size	AMI / 32MB
Operating System	Feature	Hardware Monitor / SMBIOS 3.0/PnP/Wake on LAN / Boot from USB device/PXE via LAN/Storage / Console Redirection / ACPI sleeping states S0,S1,S5 / FAN speed control automatic / ACPI 6.0
	OS supported list	Please refer to our AVL support list
Regulation	FCC (SDoC)	Class A
	CE (DoC)	Class A
	VCCI	Class A
	RCM	Class A
Operating Environment	CB/LVD	Yes
	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
RoHS	In/Non-operating Humidity	90%, non-condensing at 35° C
	RoHS 6/6 Complaint	Yes

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