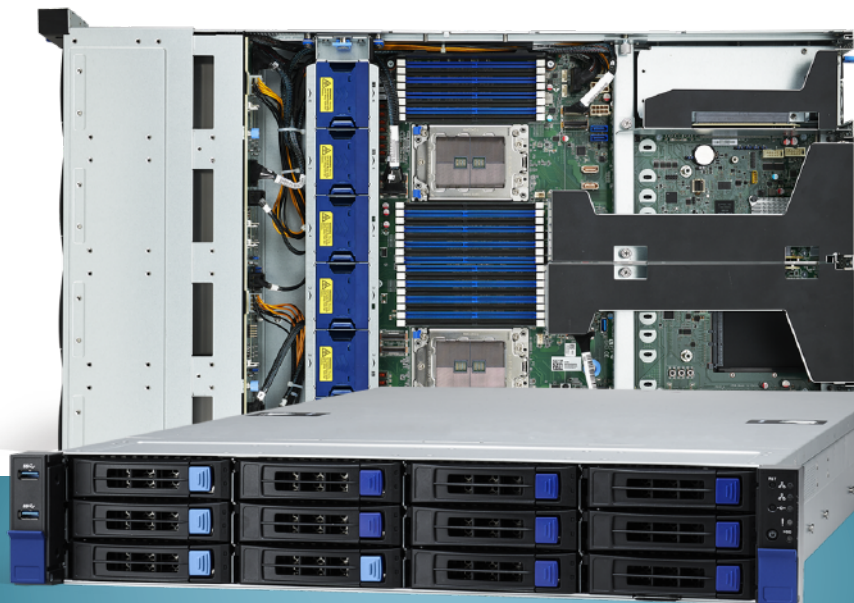


## 2U2S HPC SERVER



## Transport HX TS75-B8252

B8252T75V8E4HR-2T / B8252T75V8E4HR-8X-2T

AMD  
EPYC



### Front View



- B8252T75V8E4HR-2T  
(12) 3.5/2.5" Hot-Swap SSD/HDD



- B8252T75V8E4HR-8X-2T  
(12) 3.5/2.5" Hot-Swap SSD/HDD

### Back View



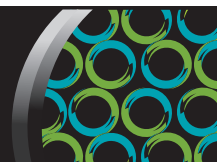
- (1+1) 1,600W CRPS, 80+ Platinum

## 2U2S server platform designed for HPC/VM applications

- Dual Socket SP3
- (2) AMD EPYC™ 7002/7003 Series Processor
- (32) RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200, Up to 8192GB RDIMM
- Up to (4) PCIe Gen.4 x16 slots + (1) Gen.4 x8 slot via riser cards + (1) PCIe Gen.4 x16 OCP 3.0 slot (-2T)
- Up to (9) PCIe Gen.4 x8 slots + (1) PCIe Gen.4 x16 OCP 3.0 slot (-8X-2T)
- (2) 10GbE + (1) IPMI ports
- Onboard BMC w/ IPMI and iKVM support
- (1+1) 1,600W CRPS, 80+ Platinum

### Summary Table

SKU	Motherboard	Storage
B8252T75V8E4HR-2T	S8252GM2NE-2T	(12) 3.5/2.5" Hot-Swap SSD/HDD
B8252T75V8E4HR-8X-2T	S8252GM2NE-2T	(12) 3.5/2.5" Hot-Swap SSD/HDD



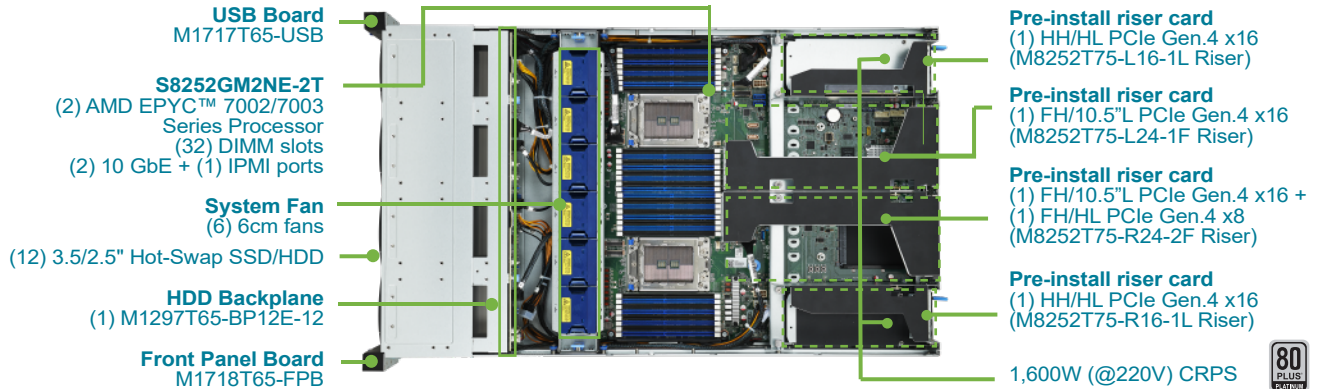
# Transport HX TS75-B8252

B8252T75V8E4HR-2T

# TYAN

## Specifications

### 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)	
Front Panel	Net weight	19 kg (42 lbs)	
	Buttons	(1) RST / (1) ID / (1) PWR w/ LED	
	LEDs	(1) HDD / (2) LAN / (1) ID / (1) BMC event	
External Drive Bay	I/O Ports	(2) USB 3.1 Gen.1 ports	
	Q'ty / Type	(12) 3.5/2.5" Hot-Swap SSD/HDD	
	HDD backplane support	SAS 12Gb/s /SATA 6Gb/s / NVMe	
	Supported HDD Interface	12) SATA 6Gb/s with (4) NVMe ports	
System Cooling Configuration	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	
Power Supply	Type	CRPS	
	Input Range	AC 100-127V/12A / AC 200-240V/9.48A	
	Efficiency	80 plus Platinum	
	Output Watts	1,600 Watts	
Processor	Redundancy	1+1	
	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	
Memory	Supported DIMM Qty	(16)+(16) DIMM slots	
	DIMM Type / Speed	DDR4 ECC RDIMM/LRDIMM 3DS/LRDIMM/LRDIMM 3DS 3200	
	Capacity	Up to 8192GB RDIMM	
	Memory channel	8 Channels per CPU	
Expansion Slots	Memory voltage	1.2V	
	PCIe	(2) PCIe Gen.4 x16 slots ( FH/10.5"L ) (1) PCIe Gen.4 x8 slot ( FH/HL )	
	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	
LAN	Port Q'ty	(2) 10GbE ports + (1) GbE port dedicated for IPMI	
	Controller	Intel X550-AT2	
Storage	PHY Controller	Realtek RTL8211E	
	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
Input /Output	Chipset	Aspeed AST2500
	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
	RJ-45	(2) 10GbE ports + (1) GbE dedicated for IPMI
TPM (Optional)	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.)

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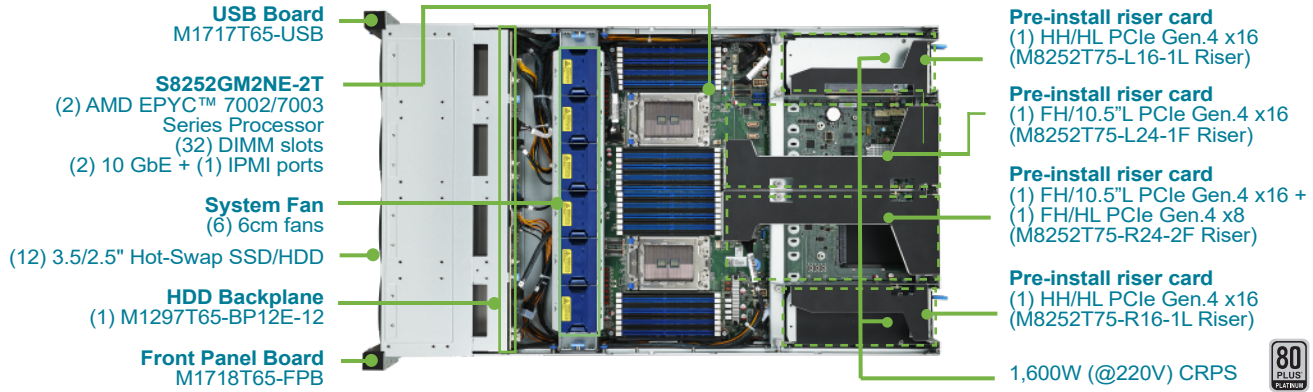
# Transport HX TS75-B8252

B8252T75V8E4HR-8X-2T

# TYAN

## Specifications

### Top View



System	<b>Form Factor</b>	2U Rackmount	
	<b>Chassis Name</b>	TS75A	
	<b>Dimension (D x W x H)</b>	29.56" x 17.26" x 3.43" (750.8 x 438.4 x 87mm)	
	<b>Motherboard</b>	S8252GM2NE-2T # The motherboard not sold separately	
	<b>Gross Weight</b>	30 kg (66 lbs)	
Front Panel	<b>Buttons</b>	(1) RST / (1) ID / (1) PWR w/ LED	
	<b>LEDs</b>	(1) HDD / (2) LAN / (1) ID / (1) BMC event	
	<b>I/O Ports</b>	(2) USB 3.1 Gen.1 ports	
External Drive Bay	<b>Q'ty / Type</b>	(12) 3.5/2.5" Hot-Swap SSD/HDD	
	<b>HDD backplane support</b>	SAS 12Gb/s /SATA 6Gb/s / NVMe	
	<b>Supported HDD Interface</b>	12) SATA 6Gb/s with (4) NVMe ports	
System Cooling Configuration	<b>FAN</b>	(6) 6cm fans	
	<b>Notification</b>	The SAS/SATA HDD backplane is connected to onboard SATA connection by default. Please contact Ty an technical support if a discrete SAS HBA/RAID adapter is required	
Power Supply	<b>Type</b>	CRPS	
	<b>Input Range</b>	AC 100-127V/12A / AC 200-240V/9.48A	
	<b>Efficiency</b>	80 plus Platinum	
	<b>Output Watts</b>	1,600 Watts	
Processor	<b>Redundancy</b>	1+1	
	<b>Q'ty / Socket Type</b>	(2) AMD Socket SP3	
	<b>Supported CPU Series</b>	(2) AMD EPYC™ 7002/7003 Series Processors	
	<b>Thermal Design Power (TDP) wattage</b>	Max up to 240W	
Memory	<b>Supported DIMM Qty</b>	(16)+(16) DIMM slots	
	<b>DIMM Type / Speed</b>	DDR4 ECC RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200	
	<b>Capacity</b>	Up to 8192GB RDIMM	
	<b>Memory channel</b>	8 Channels per CPU	
Expansion Slots	<b>Memory voltage</b>	1.2V	
	<b>PCIe</b>	(2) PCIe Gen.4 x16 slots ( FH/10.5"L ) (1) PCIe Gen.4 x8 slot ( FH/HL )	
	<b>Pre-install TYAN Riser Card (PCIe Gen.4)</b>	(1) M8252T75-L24-1F riser card for (1) FH/10.5"L PCIe Gen.4 x16 slot (left)	
	<b>Others:</b>	(1) PCIe Gen.4 x16 OCP 3.0 slot	
LAN	<b>Port Q'ty</b>	(2) 10GbE ports + (1) GbE port dedicated for IPMI	
	<b>Controller</b>	Intel X550-AT2	
Storage	<b>PHY Controller</b>	Realtek RTL8211E	
	SATA	<b>Connector</b>	(2) SFF-8654 connectors for (12) front SATA
		<b>Controller</b>	Direct from AMD EPYC CPU
		<b>Speed</b>	6Gb/s
		<b>RAID</b>	N/A
	NVMe	<b>Connector (U.2)</b>	(2) SFF-8654 connectors for (4) front NVMe
		<b>Connector (M.2)</b>	(2) 22110/2280 (by PCIe Gen.4 interface)

Graphic	<b>Connector type</b>	D-Sub 15-pin
	<b>Resolution</b>	Up to 1920x1200
Input / Output	<b>Asped AST2500</b>	
	<b>USB</b>	(2) USB3.1 Gen.1 ports (@ front) (2) USB3.1 Gen.1 ports (@ rear)
	<b>COM</b>	(2) headers (COM1, COM2)
	<b>VGA</b>	(1) D-Sub 15-pin port
TPM (Optional)	<b>RJ-45</b>	(2) 10GbE ports + (1) GbE dedicated for IPMI
	<b>TPM Support</b>	Please refer to our TPM supported list.
System Monitoring	<b>Chipset</b>	Asped AST2500
	<b>Voltage</b>	Monitors voltage for CPU, memory, chipset & power supply
	<b>Temperature</b>	Monitors temperature for CPU & memory & system environment
	<b>LED (On system front panel)</b>	Over temperature warning indicator, Fan & PSU fail LED indicator
Server Management	<b>Others</b>	Watchdog timer support
	<b>Onboard Chipset</b>	Onboard Asped AST2500
	<b>AST2500 iKVM Feature</b>	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
BIOS	<b>AST2500 IPMI Feature</b>	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
	<b>Brand / ROM size</b>	AMI / 32MB
Operating System	<b>Feature</b>	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
	<b>OS supported list</b>	Please refer to our AVL support list
Regulation	<b>FCC (SDoC)</b>	Class A
	<b>CE (DoC)</b>	Class A
	<b>VCCI</b>	Class A
	<b>RCM</b>	Class A
Operating Environment	<b>CB/LVD</b>	Yes
	<b>Operating Temp.</b>	10° C ~ 35° C (50° F ~ 95° F)
	<b>Non-operating Temp.</b>	- 40° C ~ 70° C (-40° F ~ 158° F)
RoHS	<b>In/Non-operating Humidity</b>	90%, non-condensing at 35° C
	<b>RoHS 6/6 Compliant</b>	Yes

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