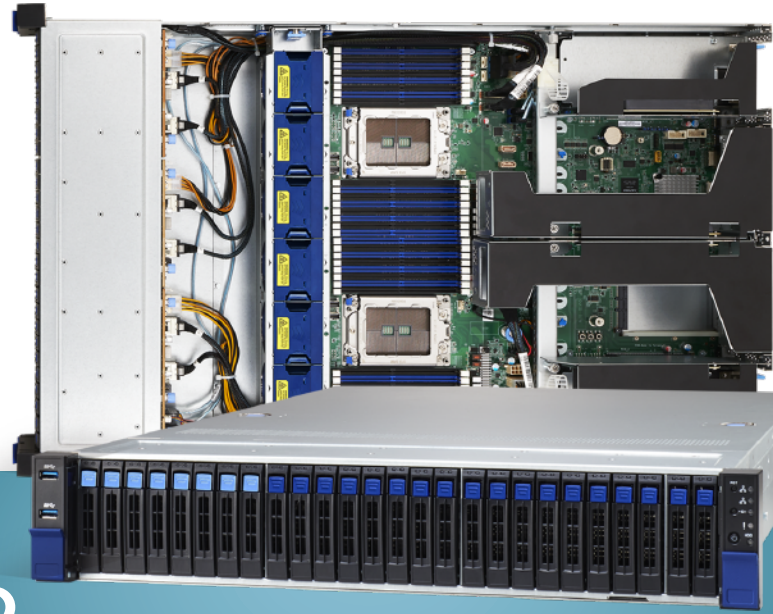


## 2U2S HPC SERVER



## Transport HX TS75A-B8252

B8252T75AV18E8HR-2T / B8252T75AV18E8HR-8X-2T / B8252T75AV26HR-2T



### Front View



**B8252T75AV18E8HR-2T**  
• (18) 2.5" Hot-swap SSD/HDD + (8) NVMe U.2



**B8252T75AV18E8HR-8X-2T**  
• (18) 2.5" Hot-swap SSD/HDD + (8) NVMe U.2



**B8252T75AV26HR-2T**  
• (26) 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
B8252T75AV18E8HR-2T	S8252GM2NE-2T	(18) 2.5" Hot-swap SSD/HDD + (8) NVMe U.2
B8252T75AV18E8HR-8X-2T	S8252GM2NE-2T	(18) 2.5" Hot-swap SSD/HDD + (8) NVMe U.2
B8252T75AV26HR-2T	S8252GM2NE-2T	(26) 2.5" Hot-swap SSD/HDD



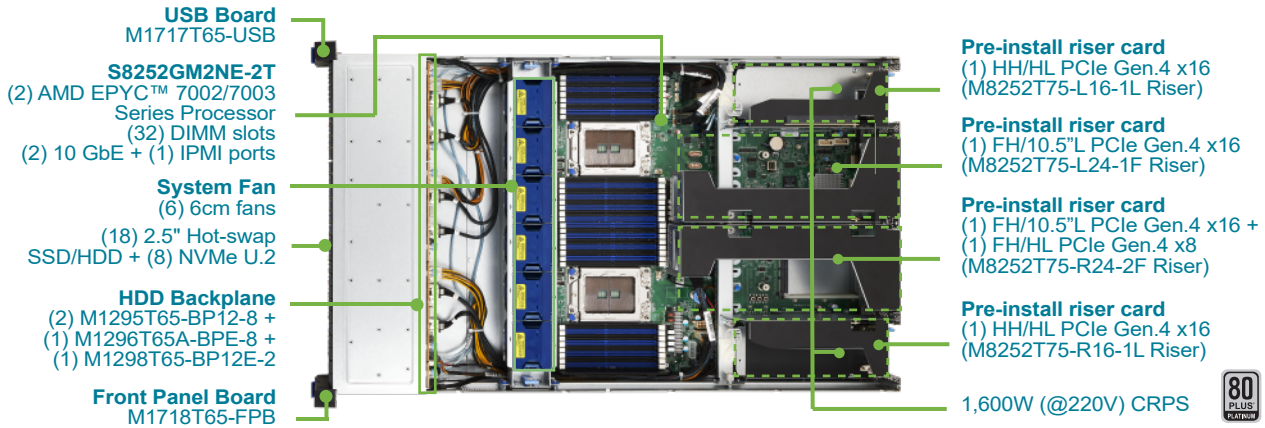
# Transport HX TS75A-B8252

B8252T75AV18E8HR-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	(18) 2.5" Hot-swap SSD/HDD + (8) NVMe
	HDD backplane support	SAS 12Gb/s /SATA 6Gb/s /NVMe
	Supported HDD Interface	(18) SATA 6Gb/s + (8) NVMe
	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
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
Memory	Thermal Design Power (TDP) wattage	Max up to 240W
	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
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 ) (2) PCIe Gen.4 x16 slots ( HH/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) (1) M8252T75-R24-2F riser card for (1) FH/10.5" L PCIe Gen.4 x16 + (1) FH/HL PCIe Gen.4 x8 slots (right) (1) M8252T75-L16-1L riser card for (1) HH/HL PCIe Gen.4 x16 slot (left) (1) M8252T75-R16-1L riser card for (1) HH/HL PCIe Gen.4 x16 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

Storage	SATA	Connector	(2) SFF-8654 connectors for up to (16) SATA ports
		Controller	Direct from AMD EPYC CPU
		Speed	6Gb/s
		RAID	N/A
	Additional SATA	Connector	(2) SATA
	Controller	Marvell 9235	
	Speed	6Gb/s	
	RAID	N/A	
NVMe	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	
Graphic	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	
	RJ-45	(2) 10GbE ports + (1) GbE dedicated for IPMI	
TPM (Optional)	TPM Support	Please refer to our TPM supported list.	
System Monitoring	Chipset	Aspeed AST2500	
	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	
	AST2500 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface	
BIOS	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 1.1 / ACPI sleeping states S0, S5 / FAN speed control automatic	
Operating System	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)	
	In/Non-operating Humidity	90%, non-condensing at 35° C	
RoHS	RoHS 6/6 Compliant	Yes	

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

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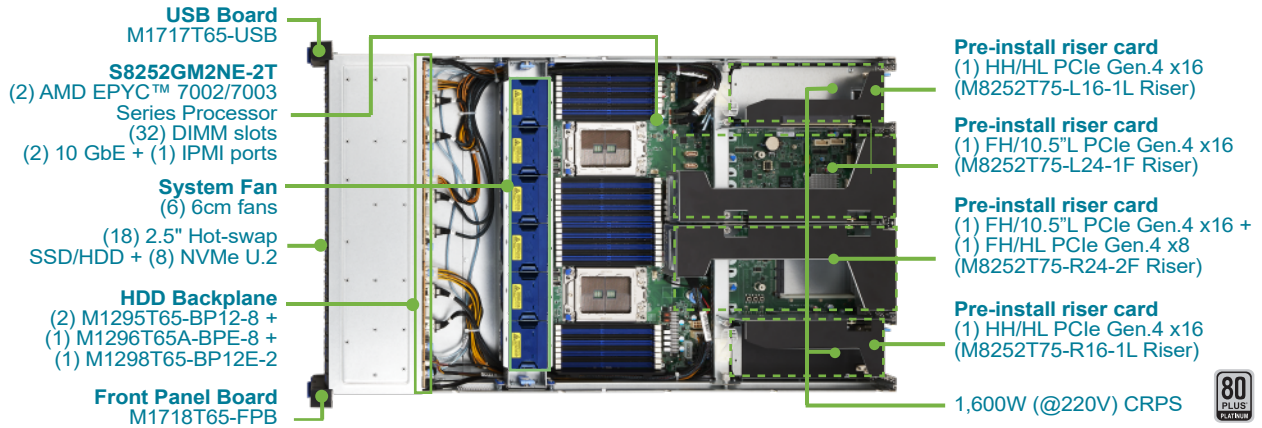
# Transport HX TS75A-B8252

B8252T75AV/18E8HR-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>	(18) 2.5" Hot-swap SSD/HDD + (8) NVMe
	<b>HDD backplane support</b>	SAS 12Gb/s /SATA 6Gb/s /NVMe
	<b>Supported HDD Interface</b>	(18) SATA 6Gb/s + (8) NVMe
	<b>Notification</b>	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	<b>FAN</b>	(6) 6cm fans
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
Memory	<b>Thermal Design Power (TDP) wattage</b>	Max up to 240W
	<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>	(4) PCIe Gen.4 x8 slots ( HH/HL ) (1) PCIe Gen.4 x8 slot ( FH/HL ) (4) PCIe Gen.4 x8 slots ( FH/10.5" L )
	<b>Pre-install TYAN Riser Card (PCIe Gen.4)</b>	(1) M8252T75-L24-2F riser card for (2) FH/10.5" L PCIe Gen.4 x8 slots (left) (1) M8252T75-R24-3F riser card for (2) FH/10.5" L PCIe Gen.4 x8 + (1) FH/HL PCIe-E Gen4 x8 slots (right) (1) M8252T75-L16-2L riser card for (2) HH/HL PCIe Gen.4 x8 slots (left) (1) M8252T75-R16-2L riser card for (2) HH/HL PCIe Gen.4 x8 slots (right)
	<b>Others:</b>	(1) PCIe Gen.4 x16 OCP 3.0 slot
	<b>Port Q'ty</b>	(2) 10GbE ports + (1) GbE port dedicated for IPMI
	<b>LAN</b>	<b>Controller</b> Intel X550-AT2 <b>PHY Controller</b> Realtek RTL8211E

Storage	<b>SATA</b>	<b>Connector</b>	(2) SFF-8654 connectors for up to (16) SATA ports
		<b>Controller</b>	Direct from AMD EPYC CPU
		<b>Speed</b>	6Gb/s
		<b>RAID</b>	N/A
Additional SATA	<b>Connector</b>	(2) SATA	
	<b>Controller</b>	Marvell 9235	
NVMe	<b>Speed</b>	6Gb/s	
	<b>RAID</b>	N/A	
Graphic	<b>Connector (U.2)</b>	(4) SFF-8654 connectors for (8) front NVMe	
	<b>Connector (M.2)</b>	(2) 22110/2280 (by PCIe Gen.4 interface)	
Input /Output	<b>Connector type</b>	D-Sub 15-pin	
	<b>Resolution</b>	Up to 1920x1200	
	<b>Chipset</b>	Aspeed AST2500	
TPM (Optional)	<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	
	<b>RJ-45</b>	(2) 10GbE ports + (1) GbE dedicated for IPMI	
System Monitoring	<b>TPM Support</b>	Please refer to our TPM supported list.	
	<b>Chipset</b>	Aspeed AST2500	
	<b>Voltage</b>	Monitors voltage for CPU, memory, chipset & power supply	
Server Management	<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	
	<b>Others</b>	Watchdog timer support	
	<b>Onboard Chipset</b>	Onboard Aspeed AST2500	
BIOS	<b>AST2500 iKVM Feature</b>	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub	
	<b>AST2500 IPMI Feature</b>	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface	
Operating System	<b>Brand / ROM size</b>	AMI / 32MB	
	<b>Feature</b>	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	
Regulation	<b>OS supported list</b>	Please refer to our AVL support list	
	<b>FCC (SDoC)</b>	Class A	
	<b>CE (DoC)</b>	Class A	
	<b>VCCI</b>	Class A	
Operating Environment	<b>RCM</b>	Class A	
	<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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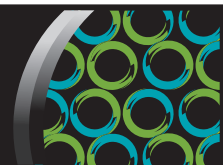
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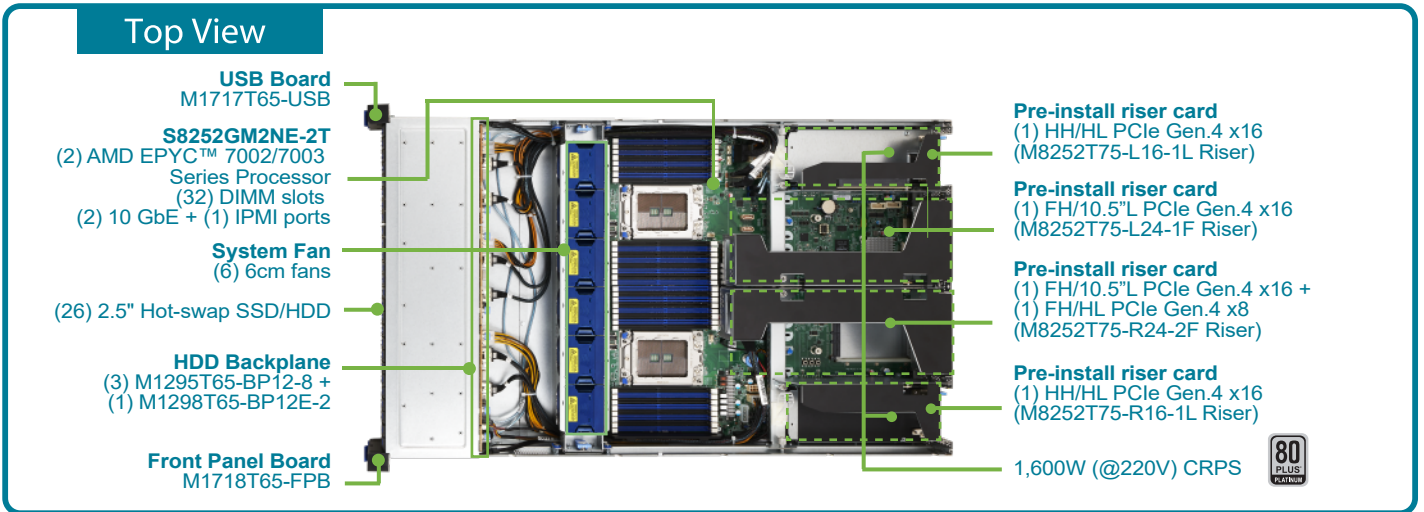


# Transport HX TS75A-B8252

B8252T75AV26HR-2T

# TYAN

## Specifications



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>Net weight</b>	19 kg (42 lbs)
	<b>Buttons</b>	(1) RST / (1) ID / (1) PWR w/ LED
	<b>LEDs</b>	(1) HDD / (2) LAN / (1) ID / (1) BMC event
External Drive Bay	<b>I/O Ports</b>	(2) USB 3.1 Gen.1 ports
	<b>Q'ty / Type</b>	(26) 2.5" Hot-swap SSD/HDD
	<b>HDD backplane support</b>	SAS 12Gb/s /SATA 6Gb/s
	<b>Supported HDD Interface</b>	(26) SATA 6Gb/s
System Cooling Configuration	<b>Notification</b>	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.
	<b>FAN</b>	(6) 6cm fans
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
Memory	<b>Thermal Design Power (TDP) wattage</b>	Max up to 240W
	<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 ) (2) PCIe Gen.4 x16 slots ( HH/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) (1) M8252T75-R24-2F riser card for (1) FH/10.5"L PCIe Gen.4 x16 + (1) FH/HL PCIe Gen.4 x8 slots (right) (1) M8252T75-L16-1L riser card for (1) HH/HL PCIe Gen.4 x16 slot (left) (1) M8252T75-R16-1L riser card for (1) HH/HL PCIe Gen.4 x16 slot (right)
	<b>Others:</b>	(1) PCIe Gen.4 x16 OCP 3.0 slot
	<b>Port Q'ty</b>	(2) 10GbE ports + (1) GbE port dedicated for IPMI
LAN	<b>Controller</b>	Intel X550-AT2
	<b>PHY Controller</b>	Realtek RTL8211E

Storage	<b>SATA</b>	<b>Connector</b>	(4) SFF-8654 connectors for (24) front SATA
		<b>Controller</b>	Direct from AMD EPYC CPU
		<b>Speed</b>	6Gb/s
		<b>RAID</b>	N/A
Graphic	<b>Additional SATA</b>	<b>Connector</b>	(2) SATA
		<b>Controller</b>	Marvell 9235
		<b>Speed</b>	6Gb/s
Input / Output		<b>RAID</b>	N/A
	<b>NVMe</b>	<b>Connector (M.2)</b>	(2) 22110/2280 (by PCIe Gen.4 interface)
		<b>Connector type</b>	D-Sub 15-pin
		<b>Resolution</b>	Up to 1920x1200
TPM (Optional)		<b>Chipset</b>	Aspeed AST2500
		<b>USB</b>	(2) USB 3.1 Gen.1 ports ( @ front ) (2) USB 3.1 Gen.1 ports ( @ rear )
		<b>COM</b>	(2) headers (COM1, COM2)
		<b>VGA</b>	(1) D-Sub 15-pin port
		<b>RJ-45</b>	(2) 10GbE ports + (1) GbE dedicated for IPMI
System Monitoring		<b>TPM Support</b>	Please refer to our TPM supported list.
		<b>Chipset</b>	Aspeed AST2500
		<b>Voltage</b>	Monitors voltage for CPU, memory, chipset & power supply
		<b>Temperature</b>	Monitors temperature for CPU & memory & system environment
Server Management		<b>LED (On system front panel)</b>	Over temperature warning indicator, Fan & PSU fail LED indicator
		<b>Others</b>	Watchdog timer support
		<b>Onboard Chipset</b>	Onboard Aspeed AST2500
BIOS		<b>AST2500 iKVM Feature</b>	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
		<b>AST2500 IPMI Feature</b>	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
Operating System		<b>Brand / ROM size</b>	AMI / 32MB
		<b>Feature</b>	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
Regulation		<b>OS supported list</b>	Please refer to our AVL support list
		<b>FCC (SDoC)</b>	Class A
		<b>CE (DoC)</b>	Class A
		<b>VCCI</b>	Class A
Operating Environment		<b>RCM</b>	Class A
		<b>CB/LVD</b>	Yes
		<b>Operating Temp.</b>	10° C ~ 35° C (50° F ~ 95° F)
RoHS		<b>Non-operating Temp.</b>	- 40° C ~ 70° C (-40° F ~ 158° F)
		<b>In/Non-operating Humidity</b>	90%, non-condensing at 35° C
	<b>RoHS 6/6 Compliant</b>	Yes	

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