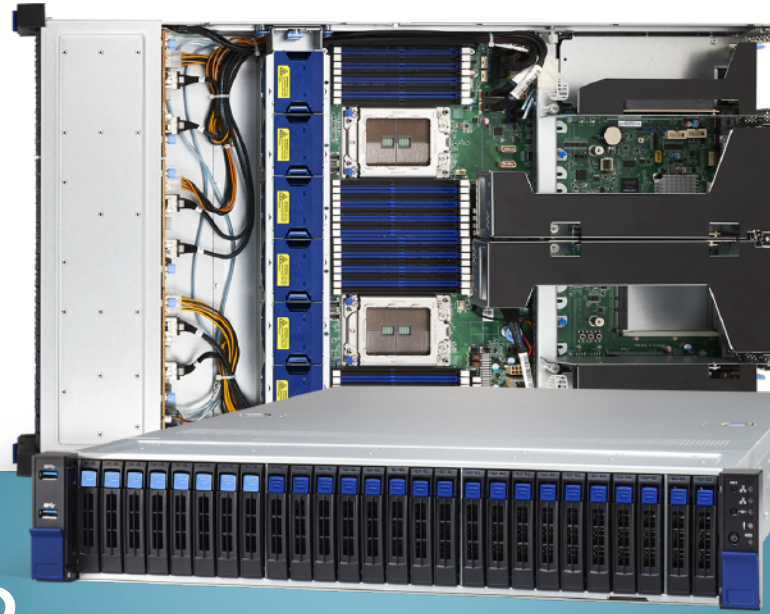


2U2S HPC SERVER



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



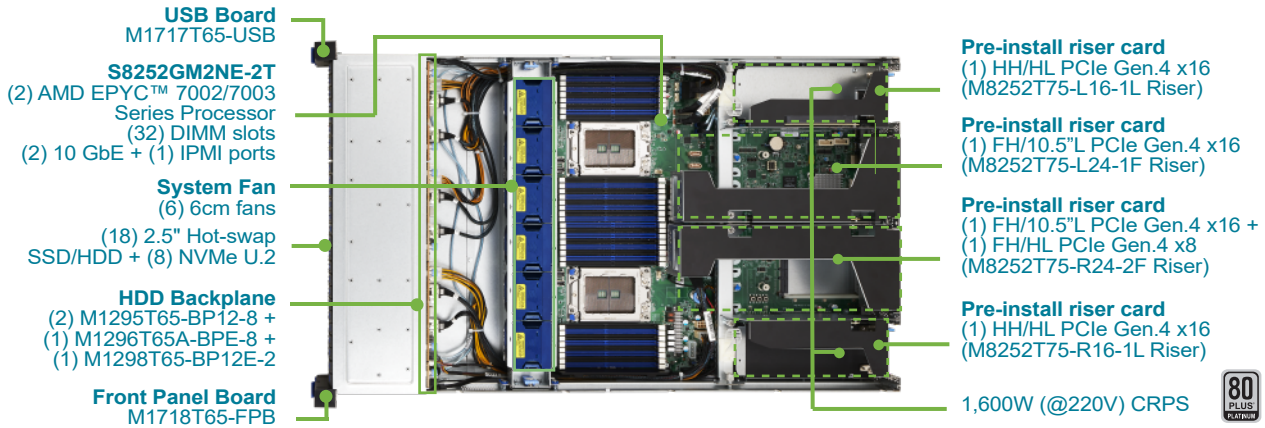
Transport HX TS75A-B8252

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	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
External Drive Bay	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
LAN	Port Q'ty	(2) 10GbE ports + (1) GbE port dedicated for IPMI
	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
	Additional SATA	Speed	6Gb/s
		RAID	N/A
Graphic	NVMe	Connector	(2) SATA
		Controller	Marvell 9235
	Connector (U.2)	Speed	6Gb/s
		RAID	N/A
Input /Output	Connector type	Connector (M.2)	(4) SFF-8654 connectors for (8) front NVMe
		Resolution	(2) 2211/2280 (by PCIe Gen.4 interface)
	Chipset	D-Sub 15-pin	
	Chipset	Up to 1920x1200	
TPM (Optional)	USB	Aspeed AST2500	
	COM	(2) USB3.1 Gen.1 ports (@ front) (2) USB3.1 Gen.1 ports (@ rear)	
	VGA	(2) headers (COM1, COM2)	
	RJ-45	(2) headers (COM1, COM2) (1) D-Sub 15-pin port (2) 10GbE ports + (1) GbE dedicated for IPMI	
System Monitoring	TPM Support	TPM Support	Please refer to our TPM supported list.
	Chipset	Chipset	Aspeed AST2500
	Voltage	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Temperature	Monitors temperature for CPU & memory & system environment
Server Management	LED (On system front panel)	LED (On system front panel)	Over temperature warning indicator, Fan & PSU fail LED indicator
	Others	Others	Watchdog timer support
	Onboard Chipset	Onboard Chipset	Onboard Aspeed AST2500
	AST2500 iKVM Feature	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	AST2500 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
	Brand / ROM size	Brand / ROM size	AMI / 32MB
	Feature	Feature	Hardware Monitor / SMBIOS 3.0/PnP/Wake on LAN / Boot from USB device/PXE via LAN/Storage / Console Redirection / ACPI 1.0 / ACPI sleeping states S0, S5 / FAN speed control automatic
	Operating System	OS supported list	Please refer to our AVL support list
Regulation	FCC (SDoC)	FCC (SDoC)	Class A
	CE (DoC)	CE (DoC)	Class A
	VCCI	VCCI	Class A
	RCM	RCM	Class A
Operating Environment	CB/LVD	CB/LVD	Yes
	Operating Temp.	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)
	Non-operating Temp.	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
RoHS	In/Non-operating Humidity	In/Non-operating Humidity	90%, non-condensing at 35° C
	RoHS 6/6 Complaint	RoHS 6/6 Complaint	Yes

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

MiTAC Computing Technology Corp

USA
Tel: +1-510-651-8868
Fax: +1-510-651-7688

Taiwan
Tel: +886-3-327-5988
Fax: +886-3-327-6312

China
Shanghai Tel: +86-021-61431188 #1361
China Tel: +86-010-62381108 #2485

Japan
Tel: +81-3-3769-8311
Fax: +81-3-3769-8328

EMEA
Tel: +44 07540328523
Email: robin.daunter@tyan.com

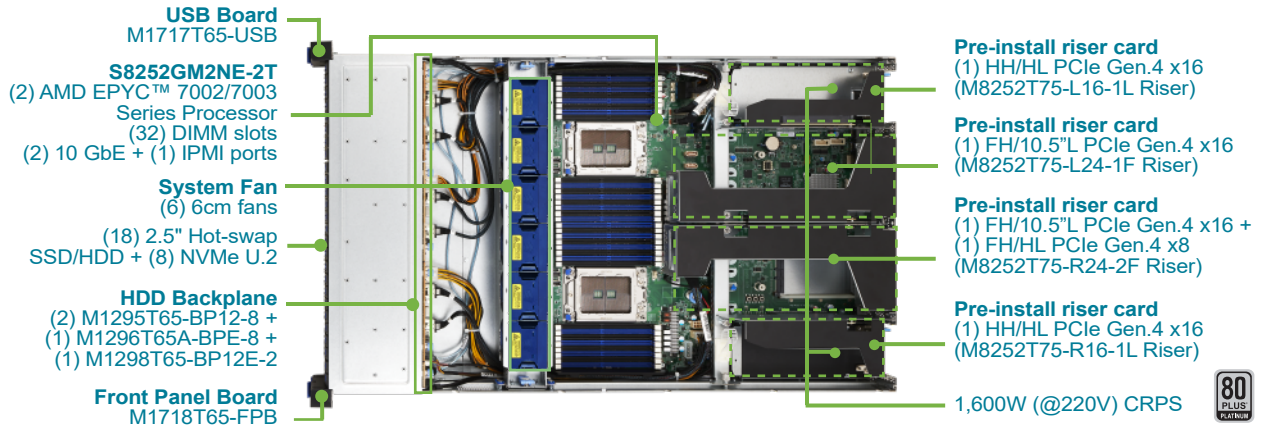
Transport HX TS75A-B8252

B8252T75AV/18E8HR-8X-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	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
External Drive Bay	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	(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)
	Pre-install TYAN Riser Card (PCIe Gen.4)	(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)
	Others:	(1) PCIe Gen.4 x16 OCP 3.0 slot
	Port Q'ty	(2) 10GbE ports + (1) GbE port dedicated for IPMI
	LAN	Controller PHY Controller

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	
NVMe	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)	
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	
	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 6.1 / 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.)

MiTAC Computing Technology Corp

USA
Tel: +1-510-651-8868
Fax: +1-510-651-7688

Taiwan
Tel: +886-3-327-5988
Fax: +886-3-327-6312

China
Shanghai Tel: +86-021-61431188 #1361
China Tel: +86-010-62381108 #2485

Japan
Tel: +81-3-3769-8311
Fax: +81-3-3769-8328

EMEA
Tel: +44 07540328523
Email: robin.daunter@tyan.com

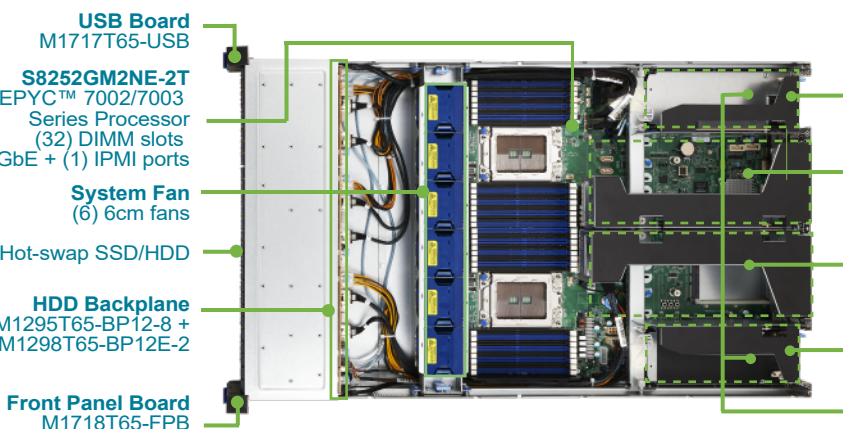
Transport HX TS75A-B8252

B8252T75AV26HR-2T

TYAN

Specifications

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

(26) 2.5" Hot-swap SSD/HDD

HDD Backplane
(3) M1295T65-BP12-8 +
(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.4 x16 +
(1) FH/HL PCIe Gen.4 x8
(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
	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	(26) 2.5" Hot-swap SSD/HDD
	HDD backplane support	SAS 12Gb/s /SATA 6Gb/s
System Cooling Configuration	Supported HDD Interface	(26) SATA 6Gb/s
	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.
Power Supply	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-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	Connector	(4) SFF-8654 connectors for (24) front SATA
	Controller	Direct from AMD EPYC CPU
	Speed	6Gb/s
	RAID	N/A
Graphic	Connector	(2) SATA
	Controller	Marvell 9235
	Speed	6Gb/s
Input / Output	RAID	N/A
	Connector (M.2)	(2) 22110/2280 (by PCIe Gen.4 interface)
	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2500
TPM (Optional)	USB	(2) USB 3.1 Gen.1 ports (@ front) (2) USB 3.1 Gen.1 ports (@ rear)
	COM	(2) headers (COM1, COM2)
	VGA	(1) D-Sub 15-pin port
System Monitoring	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
BIOS	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
Operating System	AST2500 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
	Brand / ROM size	AMI / 32MB
Regulation	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
	OS supported list	Please refer to our AVL support list
	FCC (SDoC)	Class A
Operating Environment	CE (DoC)	Class A
	VCCI	Class A
	RCM	Class A
	CB/LVD	Yes
RoHS	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 6/6 Compliant	Yes

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

MiTAC Computing Technology Corp

USA
Tel: +1-510-651-8868
Fax: +1-510-651-7688

Taiwan
Tel: +886-3-327-5988
Fax: +886-3-327-6312

China
Shanghai Tel: +86-021-61431188 #1361
China Tel: +86-010-62381108 #2485

Japan
Tel: +81-3-3769-8311
Fax: +81-3-3769-8328

EMEA
Tel: +44 07540328523
Email: robin.daunter@tyan.com

