

2U1S HYBRID STORAGE SERVER



Transport SX TS70A-B8056

B8056T70AE26HR / B8056T70AE26HR-2T



Front View



(26) NVMe U.2

Back View



(1+1) 1,600W (@220VAC) CRPS 80+ Platinum

2U1S server platform for cost-effective cloud storage applications

- Single Socket SP5
- (1) AMD EPYC™ 9004 Series Processor
- (24) Support up to 3,072GB RDIMM/3DS RDIMM DDR5 4800/3600 memory
- Up to (1) PCIe Gen.5 x8 slots + (1) PCIe Gen.5 x16 OCP 3.0 mezzanine slot
- (1) IPMI ports or (2) 10GbE + (1) IPMI ports(-2T sku)
- Onboard BMC w/ IPMI and iKVM support
- (1+1)1,600W CRPS, 80+ Titanium

Summary Table

SKU	Motherboard	Storage
B8056T70AE26HR	S8056GME	(26) NVMe U.2
B8056T70AE26HR-2T	S8056GM2NE-2T	(26) NVMe U.2



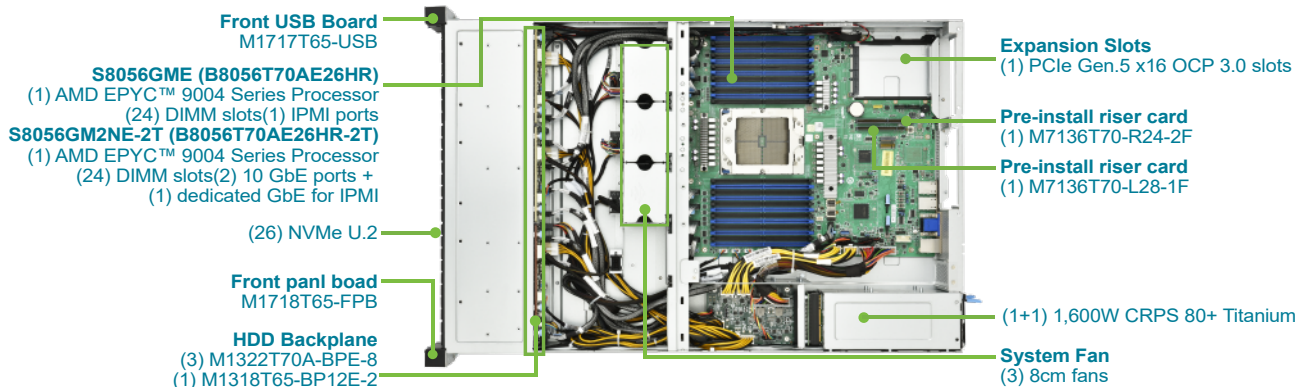
Transport SX TS70A-B8056

B8056T70AE26HR

TYAN

Specifications

Top View



System	Form Factor	2U Rackmount	
	Chassis Name	TS70A	
	Dimension (D x W x H)	27.56" x 17.26" x 3.42" (700 x 438.5 x 87mm)	
Front Panel	Motherboard	S8056GME	
	Board Dimension	Prop. 14.18" x 12.16" (360.2 x 308.8mm)	
	Buttons	(1) ID / (1) PWR w/ LED / (1) RST	
External Drive Bay	LEDs	(1) HDD / (1) ID / (2) LAN / (1) System Event	
	I/O Ports	(2) USB 3.2 Gen.1 ports	
	Q'ty / Type	(26) 2.5" Hot-Swap NVMe	
System Cooling Configuration	Front Drive Bay Interface	(26) NVMe U.2	
	Front HDD Backplane Support	NVMe	
	FAN	(3) hot-swap 8056 fans	
Power Supply	Redundancy	Yes	
	Type	CRPS	
	Input Range	AC 100-127V/13A / AC 200-240V/9.5A	
	Efficiency	80 plus Titanium	
Processor	Output Watts	1,600 Watts (100-127V AC input) / 1,600 Watts (200-240V AC input)	
	Redundancy	1+1	
	Q'ty / Socket Type	(1) AMD Socket SP5	
	Supported CPU Series	(1) AMD EPYC™ 9004 Series Processor	
Memory	Thermal Design Power (TDP) wattage	Max up to 400W* (cTDP)	
	Supported DIMM Qty	(24) DIMM slots	
	DIMM Type / Speed	RDIMM DDR5 4800 MHz (1DPC) / 3600MHz (2DPC) / 3DS RDIMM DDR5 3600MHz (2DPC)	
	Capacity	Up to 3,072GB RDIMM/3DS RDIMM DDR5 4800/3600 memory	
Expansion Slots	Memory channel	12 Channels per CPU	
	Memory voltage	1.1V	
	PCI-E	(1) PCI-E Gen.5 x8 slot	
	Pre-installed TYAN Riser Card (PCIe Gen.5)	(1) M7136T70-R24-2F / (1) M7136T70-L28-1F	
LAN	Others:	(1) PCI-E Gen.5 x16 OCP 3.0 mezzanine slot	
	Port Q'ty	(1) GbE dedicated for IPMI	
Storage NVMe	PHY Controller	Realtek RTL8211F	
	NVMe	Connector (U.2)	(2) P2305-4E storage mezz. for (8) NVMe ports / (9) SFF-TA-1016 (MCIO 8x) for (18) 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 AST2600	

Input /Output	USB	(1) USB3.2 Gen.1 conn. (Type-A) / (1) USB3.2 Gen.1 header / (2) USB3.2 Gen.1 ports (@ front) / (2) USB3.2 Gen.1 ports (@ rear)
	COM	(1) DB-9 COM port
	VGA	(1) D-Sub 15-pin port
TPM (Optional)	RJ-45	(1) GbE port dedicated for IPMI
	TPM Support	Please refer to our TPM supported list.
	Interface	SPI
System Monitoring	Chipset	Aspeed AST2600
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & system environment
Server Management	LED	Over temperature warning indicator / Fan & PSU fail LED indicator / Over voltage warning indicator
	Others	Watchdog timer support
	Onboard Chipset	Onboard Aspeed AST2600
BIOS	AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
	AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) /10/100/1000 Mb/s MAC interface
Operating System	Brand / ROM size	AMI / 64MB
	Feature	Hardware Monitor / FAN speed control automatic / Boot from USB device/PXE via LAN/Storage / Console Redirection / SMBIOS 3.3/PnP/Wake on LAN / ACPI 6.2 / ACPI sleeping states S0, S5
Regulation	OS supported list	Please refer to our AVL support list
	FCC (SDoC)	Class A
Operating Environment	CE (DoC)	Class A
	VCCI	Yes
	C-Tick	Yes
RoHS	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 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

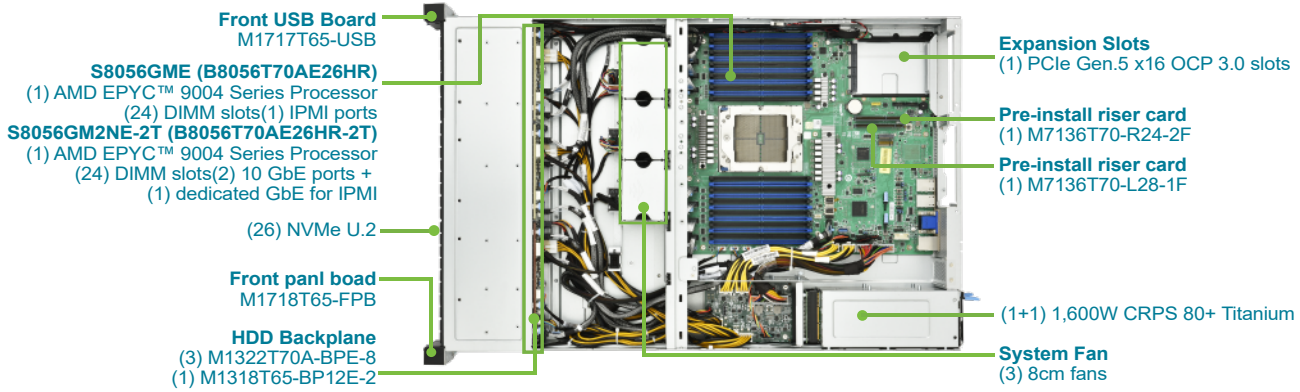
Transport SX TS70A-B8056

B8056T70AE26HR-2T

TYAN

Specifications

Top View



System	Form Factor	2U Rackmount
	Chassis Name	TS70A
	Dimension (D x W x H)	27.56" x 17.26" x 3.42" (700 x 438.5 x 87mm)
Front Panel	Motherboard	S8056GM2NE-2T
	Board Dimension	Prop. 14.18" x 12.16" (360.2 x 308.8mm)
	Buttons	(1) ID / (1) PWR w LED / (1) RST
External Drive Bay	LEDs	(1) HDD / (1) ID / (2) LAN / (1) System Event
	I/O Ports	(2) USB 3.2 Gen.1 ports
	Q'ty / Type	(26) 2.5" Hot-Swap NVMe
System Cooling Configuration	Front Drive Bay Interface	(26) NVMe U.2
	Front HDD Backplane Support	NVMe
	FAN	(3) hot-swap 8056 fans
Power Supply	Redundancy	Yes
	Type	CRPS
	Input Range	AC 100-127V/13A / AC 200-240V/9.5A
	Efficiency	80 plus Platinum
Processor	Output Watts	1,000 Watts (100-127V AC input) / 1,600 Watts (200-240V AC input)
	Redundancy	1+1
	Q'ty / Socket Type	(1) AMD Socket SP5
	Supported CPU Series	(1) AMD EPYC™ 9004 Series Processor
Memory	Thermal Design Power (TDP) wattage	Max up to 400W* (cTDP)
	Supported DIMM Qty	(24) DIMM slots
	DIMM Type / Speed	RDIMM DDR5 4800 MHz (1DPC) / 3600MHz (2DPC) / 3DS RDIMM DDR5 3600MHz (2DPC)
	Capacity	Up to 3,072GB RDIMM/3DS RDIMM DDR5 4800/3600 memory
Expansion Slots	Memory channel	12 Channels per CPU
	Memory voltage	1.1V
	PCI-E	(1) PCI-E Gen.5 x8 slot
LAN	Pre-installed TYAN Riser Card (PCIe Gen.5)	(1) M7136T70-R24-2F / (1) M7136T70-L28-1F
	Others:	(1) PCI-E Gen.5 x16 OCP 3.0 mezzanine slot
	Port Q'ty	(2) 10GbE ports + (1) GbE dedicated for IPMI
Storage NVMe	Controller	Intel X710-AT2
	PHY Controller	Realtek RTL8211F
Graphic	Connector (U.2)	(2) P2305-4E storage mezz. for (8) NVMe ports / (9) SFF-TA-1016 (MCIO 8x) for (18) 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 AST2600

Input /Output	USB	(1) USB3.2 Gen.1 conn. (Type-A) / (1) USB3.2 Gen.1 header / (2) USB3.2 Gen.1 ports (@ front) / (2) USB3.2 Gen.1 ports (@ rear)
	COM	(1) DB-9 COM port
	VGA	(1) D-Sub 15-pin port
TPM (Optional)	RJ-45	(2) 10 GbE ports + (1) dedicated GbE for IPMI
	TPM Support Interface	Please refer to our TPM supported list. SPI
System Monitoring	Chipset	Aspeed AST2600
	Voltage	Monitors voltage for CPU, memory, chipset & power supply
	Temperature	Monitors temperature for CPU & system environment
	LED	Over temperature warning indicator / Fan & PSU fail LED indicator / Over voltage warning indicator
Server Management	Others	Watchdog timer support
	Onboard Chipset	Onboard Aspeed AST2600
	AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
BIOS	AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) /10/100/1000 Mb/s MAC interface
	Brand / ROM size	AMI / 64MB
Operating System	Feature	Hardware Monitor / FAN speed control automatic / Boot from USB device/PXE via LAN/Storage / Console Redirection / SMBIOS 3.3/PnP/Wake on LAN / ACPI 6.2 / ACPI sleeping states S0, S5
	OS supported list	Please refer to our AVL support list
Regulation	FCC (SDoC)	Class A
	CE (DoC)	Class A
	VCCI	Yes
	C-Tick	Yes
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.)

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