

2U2S CLOUD SERVER



Thunder SX TS65-B7126

B7126T65V10E4HR



Front View



- (2) 2.5" Hot-Swap HDD/SSDs + (12) 3.5"/2.5" Hot-Swap SAS/SATA HDDs with (4) NVMe

Back View



- (1+1) 1,200W RPSU, 80+ Platinum

2U2S Whitely storage platform for hybrid data processing applications

- Dual LGA4189 socket
- (2) 3rd Gen Intel® Xeon® Scalable Processors
- (8+8) DDR4 DIMM slots, Support up to 2,048GB RDIMM/LRDIMM DDR4 3200 memory
- (12) 3.5" SATA 6G w/ (4) opt. NVMe U.2 hot-swap tool-less drive bays
- (2) 2.5" SATA hot-swap tool-less drive bays @ rear
- (2) FH/HL PCIe Gen.4 x16 slots on two riser or (4) FH/HL PCIe Gen.4 x8 slots on two riser
- (2) GbE + (1) IPMI ports
- Onboard BMC w/ IPMI and iKVM support
- (1+1) 1,200W RPSU, 80+ Platinum

Summary Table

SKU	Motherboard	CPU-GPU Link Topology
B7126T65V10E4HR	S7126GM2NRE	(12) 3.5" SATA hot-swap w/ (4) NVMe + (2) 2.5" SATA hot-swap

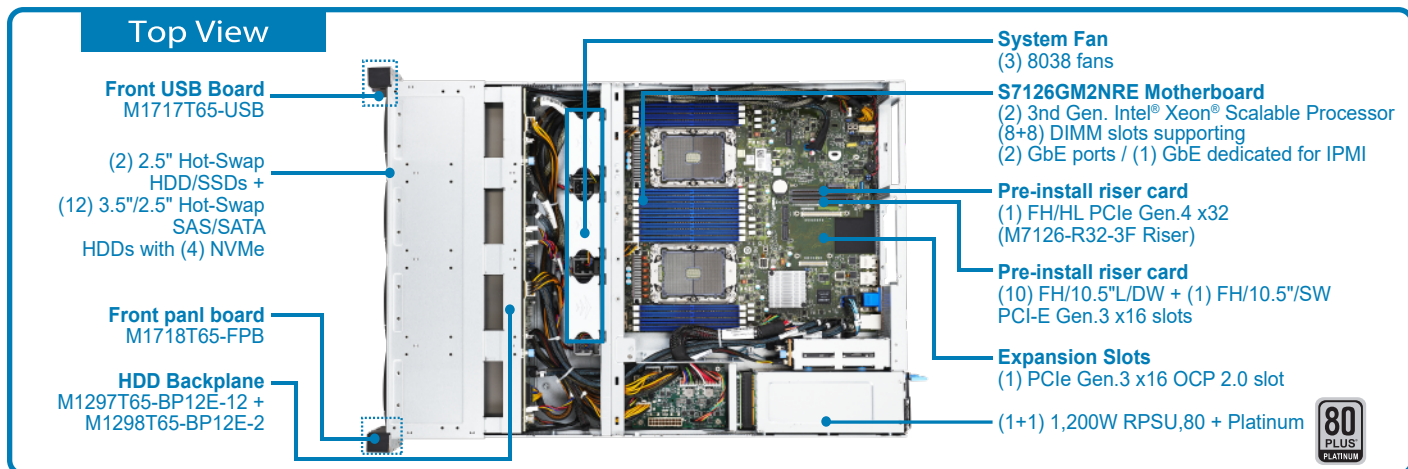


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Specifications



System	Form Factor	2U Rackmount
	Chassis Name	TS65
	Dimension (D x W x H)	25.59" x 17.26" x 3.45" (650 x 438.5 x 87.6mm)
	Motherboard	S7126GM2NRE
Front Panel	Gross Weight	31 kg (66 lbs)
	Net weight	19.5 kg (42 lbs)
	Buttons	(1) ID / (1) PWR w/ LED / (1) RST
External Drive Bay	LEDs	(1) HDD / (1) ID / (2) LAN / (1) BMC event
	I/O Ports	(2) USB 3.0 ports
	Buttons	(1) ID / (1) PWR w/ LED / (1) RST
System Cooling Configuration	LEDs	(1) HDD / (1) ID / (2) LAN / (1) BMC event
	FAN	(3) hot-swap 8038 fans
	Power Supply	(2) USB 3.0 ports
	System Monitoring	(2) 2.5" Hot-Swap HDD/SSDs (@ rear) (12) 3.5"/2.5" Hot-Swap SAS/SATA HDDs w/ (4) NVMe
Processor	Front Drive Bay Interface	(12) SATA 6Gb/s with (4) NVMe ports
	Front HDD Backplane Support	SAS 12Gb/s /SATA 6Gb/s /NVMe
	Rear Drive Bay Interface	(2) SATA 6Gb/s
	Rear HDD Backplane Support	SATA 6Gb/s
Chipset	System Cooling Configuration	(3) hot-swap 8038 fans
	Type	RPSU
	Input Range	AC 100-127V/13A / AC 200-240V/7A
	Efficiency	80 plus Platinum
Memory	Output Watts	1,200 Watts
	Redundancy	1+1
	Q'ty / Socket Type	(2) LGA4189
	Supported CPU Series	3rd Gen Intel® Xeon® Scalable Processor
Expansion Slots	Thermal Design Power (TDP) wattage	Max up to 205W
	Supported DIMM Qty	Intel® C621A
	DIMM Type / Speed	DDR4 RDIMM/LRDIMM 3200
	Capacity	Up to 2,048GB RDIMM/ 4,096GB LRDIMM/ 4,096GB RDIMM 3DS/LRDIMM 3DS *Follow latest Intel® DDR4 Memory POR
LAN	Memory channel	8 Channels per CPU
	Memory voltage	1.2V
	PCIe	(4) PCIe Gen.4 x8 slot (FH/HL) on two riser cards (2) PCIe Gen.4 x16 slots (FH/HL) on two riser cards
	Others:	(1) PCIe Gen.3 x16 OCP v2.0 mezzanine slot
Storage	Port Q'ty	(2) GbE ports + (1) GbE dedicated for IPMI
	Controller	Intel® I210-AT
	PHY Controller	Realtek RTL8211FD-CG
	SATA	Connector (14) SATA Controller Intel® C621A Speed 6Gb/s RAID RAID 0/1/10/5 (Intel RSTe)
	NVMe Connector (M.2) (1) 22110/2280/2242 (by PCIe Gen.3 interface)	

Graphic	Connector type	D-Sub 15-pin
	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2500
	USB	(1) USB3.0 TYPE-A / (2) USB3.0 ports (@ front)
Input /Output	COM	(1) DB-9 COM port
	VGA	(1) D-Sub 15-pin port
	RJ-45	(2) GbE ports + (1) dedicated GbE 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 / 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 S5
Operating System	OS supported list	Please refer to our AVL support lists.
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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