

DESKSIDE INTEL GPU SERVER

Thunder HX FT65T-B5652

B5652F65TV6E2H-G / B5652F65TV6E2H-2T-N



Front View



- (2) 2.5" Hot-Swap NVMe HDD/SSDs
- (6) 3.5/2.5" Hot-swap HDD/SSDs

Back View



- 80 plus Platinum (100-240Vac, 1,500W)
- 80 plus Gold (200-240Vac, 2,000W)

4U pedestal 1S 4-GPU HPC server platform supports multiple high performance GPU cards

- Single LGA4677 socket
- (1) 4rd Gen Intel® Xeon® Scalable Processors
- (8) DDR4 DIMM slots, Support up to Up to 1,024GB RDIMM/ 2,048GB 3DS RDIMM DDR5 4800
- (2) 2.5" Hot-Swap NVMe HDD/SSDs / (6) 3.5/2.5" Hot-swap HDD/SSDs
- (1) PCIe Gen.5 x8 slot / (4) PCIe Gen.5 x16 slot
- (1) GbE + (1) dedicated GbE for IPMI or (2) 10GbE + (1) GbE + (1) dedicated GbE for IPMI (-2T sku)
- Onboard BMC w/ IPMI and iKVM support
- 2,000WDC ATX PSU @ 200-240VAC, 80+ Gold
- 1,500WDC ATX PSU @ 115-200VAC, 80+ Platinum
- 1,200WDC ATX PSU @ 110-115VAC, 80+ Platinum

Summary Table

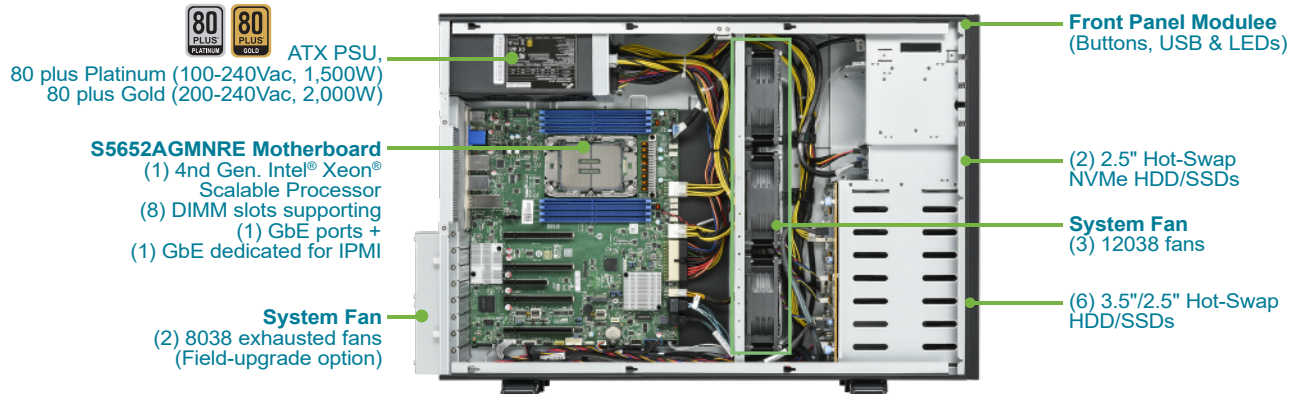
SKU	Motherboard	Storage
B5652F65TV6E2H-2T-N	S5652AGM3NRE-2T	(2) 2.5" Hot-Swap NVMe HDD/SSDs / (6) 3.5/2.5" Hot-swap HDD/SSDs
B5652F65TV6E2H-G	S5652AGMNRE	(2) 2.5" Hot-Swap NVMe HDD/SSDs / (6) 3.5/2.5" Hot-swap HDD/SSDs

Transport HX FT65T-B5652

B5652F65TV6E2H-G

TYAN
Specifications

Top View



System	Form Factor	4U Tower	
	Chassis Name	FT65T	
	Dimension (D x W x H)	25.59" x 17.245" x 6.93" (650 x 438 x 176mm)	
	Motherboard	S5652AGMNRE	
Front Panel	Buttons	(1) UID / (1) PWR w/ LED / (1) RST	
	LEDs	(1) HDD / (1) ID / (1) System Event / (2) LAN activity	
	I/O Ports	(2) USB 2.0 ports / (1) USB 3.2 Gen.1 port / (1) COM Port (1) LAN Port (IPMI) / (1) VGA port / (1) Line in / Line out / MIC	
External Drive Bay	Q'ty / Type	(2) 2.5" Hot-Swap NVMe HDD/SSDs / (6) 3.5"/2.5" Hot-Swap SSD/HDD	
	HDD backplane support	(2) SATA 6Gb/s / NVMe / (6) SATA 6Gb/s / SAS 12Gb/s	
	Supported HDD Interface	SAS 12Gb/s /SATA 6Gb/s /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	
System Cooling Configuration	FAN	(3) 12cm fans	
	Air Duct	Tailored Air Duct	
Power Supply	Type	ATX	
	Input Range	AC 100~240V/12~15A	
	Efficiency	80 plus Gold (200-240Vac, 2,000W)) / 80 plus Platinum (100-240Vac, 1,500W)	
	Output Watts	1,200 Watts (110-115Vac input) / 1,500 Watts (115-200Vac input) / 2,000 Watts (200-240Vac)	
	Redundancy	N/A	
Processor	Q'ty / Socket Type	(1) LGA4677	
	Supported CPU Series	4th Gen. Intel Xeon Scalable Processors	
	Thermal Design Power Wattage	Max up to 350W (TDP)	
Chipset	PCH	Intel C741	
Memory	Supported DIMM Qty	(8) DIMM slots	
	DIMM Type / Speed	RDDR5 4800 w/ ECC (1.1V) when 2DPC/1DPC / 3DS RDIMM DDR5 4800 w/ ECC (1.1V) when 2DPC/1DPC	
	Capacity	Up to 1,024GB RDIMM/ 2,048GB 3DS RDIMM DDR5 4800/ *Follow latest Intel DDR5 Memory POR	
	Memory channel	8 Channels per CPU	
	Memory voltage	1.1V	
Expansion Slots	PCIe	(1) PCIe Gen.5 x8 slot / (4) PCIe Gen.5 x16 slot	
LAN	Port Q'ty	(1) GbE port + (1) GbE dedicated for IPMI	
	Controller	Intel I210	
	PHY Controller	Realtek RTL8211F	
Storage	SATA	Connector	(6) SATA
		Controller	Intel C741
		Speed	6Gb/s
		RAID	RAID 0/1/10/5 (Intel RSTe)
	NVMe	Connector(M.2)	(1) 2280 (by PCIe 3.0 x4)
		Connector(U.2)	(1) MCIO x8

Graphic	Connector type	D-Sub 15-pin
	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2600
Input /Output	USB	(2) USB2.0 ports (@ rear) / (2) USB3.2 Gen.1 ports (@ rear)
	COM	(1) DB-9 COM port
	VGA	(1) D-Sub 15-pin port
	Audio	(1) 2x5-pin header
TPM (Optional)	RJ-45	(1) GbE ports + (1) GbE 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 & memory & system environment
	LED	Over temperature warning indicator / Fan & PSU fail LED indicator / Over voltage warning indicator
Server Management	Others	Watchdog timer support
	Onboard iKVM	Onboard Aspeed AST2600
	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 / Boot from USB device/PXE via LAN/Storage / User Configurable FAN PWM Duty Cycle / SMBIOS 3.3/PnP/Wake on LAN / ACPI sleeping states S0 S5
Operating System	OS supported list	Please refer to our AVL support lists.
	FCC (SDoC)	Class B
	CE (DoC)	Class B
	VCCI	Class B
Regulation	RCM	Class B
	CB/LVD	Yes
	Operating Temp.	0° C ~ 40° C (32° F ~ 104° F)
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
Operating Environment	In/Non-operating Humidity	90%, non-condensing at 35° C
RoHS	RoHS 6/6 Complaint	Yes

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

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