

4U2S 5-GPGPU WORKSTATION PLATFORM



Thunder HX FT48T-B7105

B7105F48TV4HR-2T-G / B7105F48TV4HR-2T-N
B7105F48TV8HR-2T-G



■ Front View

■ Back View



B7105F48TV8HR-2T-G

B7105F48TV4HR-2T-G
B7105F48TV4HR-2T-N

Pedestal / 4U2S 5-GPU workstation platform designed for GPU accelerated technical computing

- Max up to (8) 3.5"/2.5" Hot-Swap SSD/HDDs devices + (3) 5.25" device bays
- Dual LGA3647 socket supports (2) Intel® Xeon® Scalable Processors
- (6+6) DIMM slots DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2666
- Up to 384GB RDIMM/ 768GB LRDIMM/ 1,536GB RDIMM 3DS/LRDIMM 3DS
*Follow latest Intel DDR4 Memory POR
- (6) PCIe x16 slots, supporting up to (5) GPU cards
- (2) 10GbE ports + (1) PHY port (via Intel® X550-AT2 + via Realtek® RTL8211E)
- Onboard BMC w/ IPMI and iKVM support
- (1+1) 2,000W RPSU, 80 PLUS Platinum



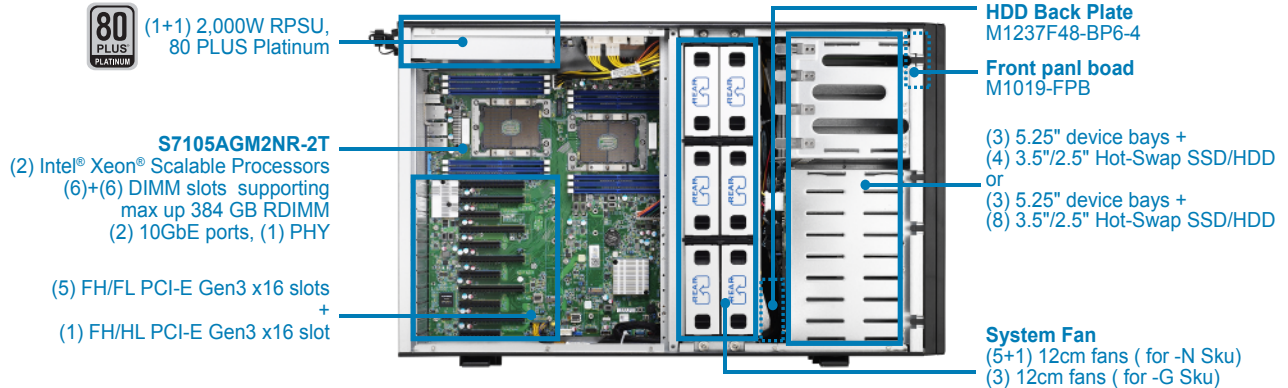
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Specifications

Top View



System	Form Factor	4U Tower	
	Chassis Name	FT48T	
	Dimension (D x W x H)	27.5" x 16.8" x 6.9" (700 x 427 x 176mm)	
	Motherboard	S7105AGM2NR-2T	
	Gross Weight	40 kg (88.5 lbs)	
Front Panel	Net weight	34 kg (75 lbs)	
	Buttons	(1) RST, (1) ID, (1) PWR w/ LED	
	LEDs	(1) HDD, (2) LAN, (1) ID, (1) System Event	
External Drive Bay	I/O Ports	(2) USB 3.0 ports	
	Q'ty / Type	(3) 5.25" device bays + (4) 3.5"/2.5" Hot-Swap SSD/HDD or (3) 5.25" device bays + (8) 3.5"/2.5" Hot-Swap SSD/HDD	
	HDD backplane support	SATA 6.0Gb/s	
System Cooling Configuration	Supported HDD Interface	(4) SATA 6Gb/s or (8) SATA 6Gb/s	
	FAN & Heat Sink	Passive cooler + GPU Airduct + (5+1) hot-swap 12cm fans (-N sku) Passive cooler + (3) hot-swap 12cm fans (-G sku)	
Power Supply	Type	RPSU	
	Input Range	AC 100-127V/24A, AC 220-240V/10A	
	Efficiency	80-PLUS Platinum	
	Output Watts	2,000 Watts (100-127Vac input), 1,968 Watts (220-240Vac input)	
Processor	Redundancy	1+1	
	Supported CPU Series	(2) Intel® Xeon® Scalable Processors	
	Thermal Design Power (TDP) wattage	Max up to 205W	
Chipset	Chipset	Intel® C621	
Memory	Supported DIMM Qty	(6)+(6) DIMM slots	
	DIMM Type / Speed	DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2666	
	Capacity	Up to 384GB RDIMM/ 768GB LRDIMM/ 1,536GB RDIMM 3DS/LRDIMM 3DS *Follow latest Intel® DDR4 Memory POR	
	Memory channel	6 Channels	
Expansion Slots	Memory voltage	1.2V	
	PCI-E	(5) FH/FL PCI-E Gen3 x16 slots (1) FH/HL PCI-E Gen3 x16 slot	
LAN	Port Q'ty	(2) 10GbE ports, (1) GbE port dedicated for IPMI	
	Controller	Intel® X550-AT2	
Storage	PHY Controller	Realtek® RTL8211E	
	SATA	Connector	(2) SATA-DOM
		Controller	Intel® C621
		Speed	6.0 Gb/s
RAID		RAID 0/1/10/5 (Intel® RSTe)	

Storage	sSATA	Connector	(2) Mini-SAS HD (8-ports)
		Controller	Intel® C621
		Speed	6.0 Gb/s
Input /Output	RAID	RAID	RAID 0/1/10/5 (Intel® RST)
		Connector(M.2)	(2) 22110/2280 (by PCI-E & SATA interface)
Graphic	Connector type	D-Sub 15-pin	
	Resolution	Up to 1920x1200	
	Chipset	Aspeed AST2500	
TPM (Optional)	USB	(2) USB3.0 ports (at rear) (2) USB3.0 ports (at front)	
	COM	(1) DB-9 COM port (at front)	
	VGA	(1) D-Sub 15-pin (at front)	
	RJ-45	(2) 10GbE ports, (1) GbE dedicated for IPMI	
System Monitoring	TPM Support	Please refer to our TPM supported list.	
	Chipset	Onboard 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 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC), Supports storage over IP and remote platform-flash, USB 2.0 virtual hub	
BIOS	AST2500 iKVM Feature	24-bit high quality video compression, 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, User Configurable FAN PWM Duty Cycle, Console Redirection, ACPI sleeping states S4,S5, ACPI 6.1	
	OS supported list	Please refer to our Intel OS supported list.	
	FCC (SDoC)	Class A	
Operating Environment	CE (DoC)	Class A	
	VCCI	Class A	
	RCM	Class A	
RoHS	CB/LVD	Yes	
	Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)	
RoHS	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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