

4U2S 4-GPGPU SERVER PLATFORM



Thunder HX FT48B-B7100

B7100F48BV10HR-N



Front View



- (8) 2.5" Hot-Swap SSD/HDDs devices

Back View



- (1+1) 1,600W RPSU, 80 PLUS Platinum
- (2) 2.5" Hot-Swap SSD/HDDs devices

4U2S 4-GPU server platform designed for industrial automation and large scale video capture applications

- (10) 2.5" Hot-Swap SSD/HDDs devices ((8)@front + (2)@rear)
- Dual LGA3647 socket supports (2) Intel® Xeon® Scalable Processor Family
- (6+6) DIMM slots DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2666
- Supporting up to 384GB RDIMM/ 768GB LRDIMM/ 1,536GB RDIMM 3DS/LRDIMM
- *Follow latest Intel DDR4 Memory POR
- (4) PCI-E Gen3 x16 slot
- (3) PCI-E Gen3 x8 slots
- (2) GbE ports (via Intel® I350-AM2)
- Onboard BMC w/ IPMI and iKVM support
- (2+1) 1,600W RPSU, 80 PLUS Platinum

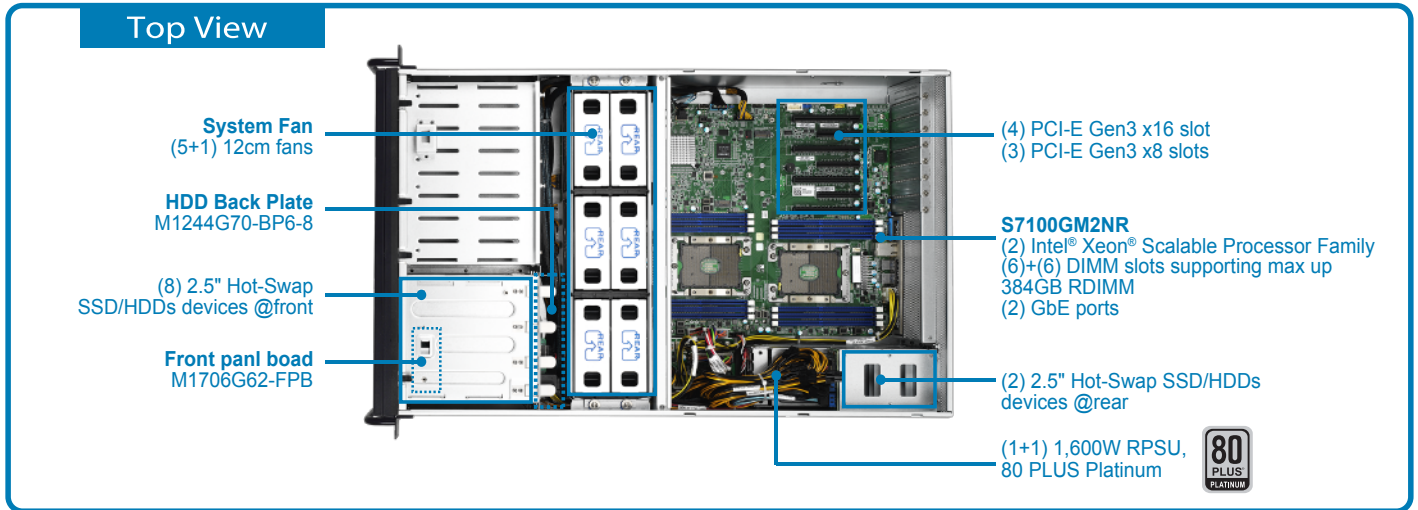


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Specifications



System	Form Factor	4U Rackmount
	Chassis Name	FT48B
	Dimension (D x W x H)	27.5" x 16.8" x 6.9" (700 x 427 x 176mm)
	Motherboard	S7100GM2NR
	Gross Weight	26.5 kg (58.5 lbs)
Front Panel	Net weight	13.5 kg (30 lbs)
	Buttons	(1) PWR, (1) RST, (1) NMI, (1) ID
	LEDs	(1) PWR, (1) HDD, (2) LAN, (1) ID, (1) Warning, (1) BMC
External Drive Bay	I/O Ports	(2) USB 3.0 ports
	Type / Q'ty	2.5" Hot-Swap SSD/HDD/ (8)@front + (2)@rear
	HDD backplane support	SATA 6Gb/s/ SAS 12Gb/s (@front) SATA 6Gb/s (@rear)
System Cooling Configuration	Supported HDD Interface	(10) SATA 6Gb/s
	FAN	(5+1) 12cm fans
Power Supply	Type	RPSU
	Input Range	AC 100-127V/112.9A , AC 200-240V/9.5A
	Efficiency	80-PLUS Platinum
	Output Watts	1,600 Watts (only for 200-240V AC)
Processor	Redundancy	1+1
	Supported CPU Series	(2) Intel® Xeon® Scalable Processor Family
	Thermal Design Power (TDP) wattage	Max up to 205W
Chipset	Chipset	Intel® C621
	Switch IC	-
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	(4) PCI-E Gen3 x16 slot, (3) PCI-E Gen3 x8 slots
	Pre-install TYAN Riser Card	-
	Pre-install TYAN Mezz Card	-
	Others	-
LAN	Port Q'ty	(2) GbE ports (1 port shared with IPMI)
	Controller	Intel® I350-AM2
	PHY Controller	-

Storage	SATA	Connector	(2) Mini-SAS HD (8-ports)
		Controller	Intel® C621
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel® RSTe)
sSATA	sSATA	Connector	(2) 8-pin SATA/SATA-DOM, (1) Mini-SAS HD (4-ports)
		Controller	Intel® C621
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel® RST)
M.2 connector	M.2 connector	(1) M.2 connector (2242) by PCI-E interface / (1) M.2 connector (2242/2260/2280) by PCI-E interface	
		Connector type	D-Sub 15-pin
Graphic	Graphic	Resolution	Up to 1920x1200
		Chipset	Aspeed AST2500
		USB	(2) USB3.0 ports (2 at front), (4) USB3.0 ports (at rear)
Input /Output	Input /Output	COM	(1) 2x5 pin-header
		VGA	(1) D-Sub 15-pin
		RJ-45	(2) GbE ports (1 port shared with IPMI)
		TPM (Optional)	TPM Support
System Monitoring	System Monitoring	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	Server Management	Others	Watchdog timer support
		Onboard Chipset	Onboard Aspeed AST2500
		AST2300 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
		AST2500 iKVM Feature	IPMI 2.0 compliant baseboard management controller (BMC), Supports storage over IP and remote platform-flash, USB 2.0 virtual hub
BIOS	BIOS	AST2500 IPMI Feature	24-bit high quality video compression, 10/100/1000 Mb/s MAC interface
		Brand / ROM size	AMI / 32MB
		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
Operating System	OS supported list	Please refer to our AVL support lists	
Regulation	Regulation	FCC (DoC)	Class A
		CE (DoC)	Yes
Operating Environment	Operating Environment	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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