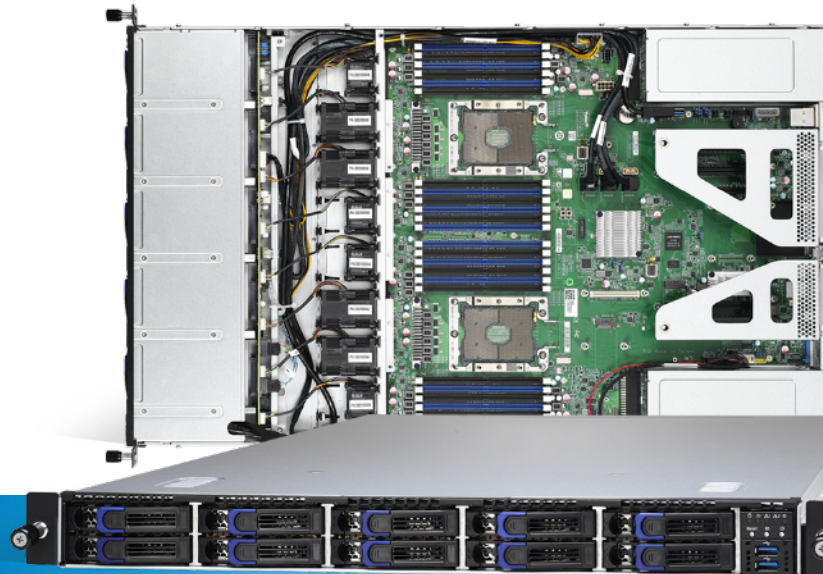


1U2S SERVER PLATFORM



Thunder CX GT75B-B7102

B7102G75BV10HR-2T / B7102G75BV6E4HR-2T
B7102G75BV10HR-2T-HE / B7102G75BV6E4HR-2T-HE



Front View



• (10) 2.5" Hot-Swap SSD/HDDs devices



• (6) 2.5" Hot-Swap SSD/HDDs +
(4) NVMe devices

Back View



• (1+1) 750W PSU 80+ Platinum (-2T Sku)



• (1+1) 800W PSU 80+ Titanium (-2T-HE Sku)

1U2S server platform with maximum memory support for virtualization applications

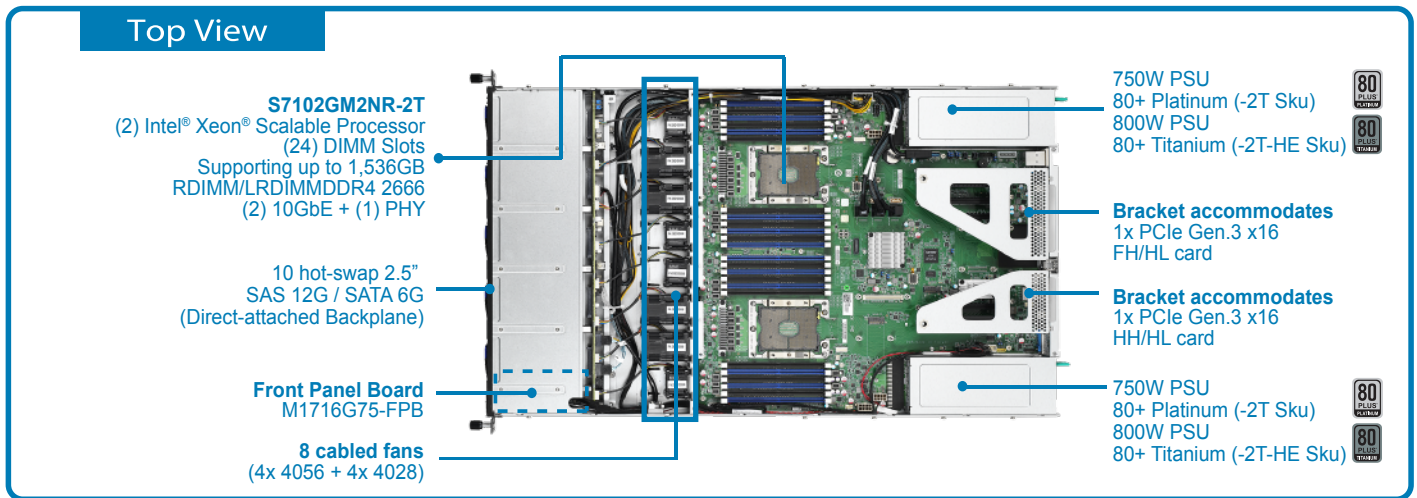
- Max up to (10) 2.5" Hot-Swap SSD/HDDs devices (-V10HR-2T SKU) or Max up to (6) 2.5" Hot-Swap SSD/HDDs + (4) NVMe devices (-V6E4HR-2T SKU)
- Dual LGA3647 socket supports (2) Intel® Xeon® Scalable Processor Family
- (12+12) DIMM slots DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2666
- Supporting up to 768GB RDIMM/ 1,536GB LRDIMM/ 3,072GB RDIMM 3DS/LRDIMM 3DS
Follow latest Intel DDR4 Memory POR
- Max up to (2) PCI-E Gen3 x16 slots (-V10HR-2T SKU only)
 - (1) PCI-E Gen3 x8 OCP 2.0 slot (conn.A + conn.C)
 - (1) PCI-E Gen3 x8 storage mezz. slot
- (2) 10GbE ports + (1) PHY port (via Intel® X550-AT2 + via Realtek® RTL8211E)
- Onboard BMC w/ IPMI and iKVM support
- (1+1) 750W RPSU, 80 PLUS Platinum (-2T Sku)
 - (1+1) 800W RPSU, 80 PLUS Titanium (-2T-HE Sku)

Thunder CX GT75B-B7102

B7102G75BV10HR-2T / B7102G75BV6E4HR-2T
B7102G75BV10HR-2T-HE / B7102G75BV6E4HR-2T-HE

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Specifications



System	Form Factor	1U Rackmount	Storage	sSATA	Connector	(2) 8-pin SATA/SATA-DOM, (1) Mini-SAS HD (4-ports)
	Chassis Name	GT75B			Controller	Intel® C621
	Dimension (H x W x D)	29.72" x 17.24" x 1.72" (755 x 438.5 x 43.7mm)			Speed	6.0 Gb/s
	Motherboard	S7102GM2NR-2T			RAID	RAID 0/1/10/5 (Intel® RST)
Front Panel	Buttons	(1) PWR, (1) RST, (1) UID	NVMe	Graphic	Connector type	D-Sub 15-pin
	LEDs	(1) HDD, (2) LAN, (1) Warning, (1) UID			Resolution	Up to 1920x1200
External Drive Bay	I/O Ports	(2) USB 3.0 port	Input /Output	Chipset	Aspeed AST2500	
	Type / Q'ty	2.5" Hot-Swap SSD/HDDs/ (10) (-V10HR-2T SKU) 2.5" Hot-Swap SSD/HDDs + NVMe/ (6) + (4) (-V6E4HR-2T SKU)		USB	(2) USB3.0 ports (2 at rear), (2) USB3.0 ports (2 at front)	
	HDD backplane support	SAS 12Gb/s, SATA 6Gb/s, NVMe		COM	(1) DB-9 port (COM1)	
System Cooling Configuration	Supported HDD Interface	(10) SATA 6Gb/s (-V10HR-2T SKU) (6) SATA 6Gb/s + (4) NVMe (-V6E4HR-2T SKU)	TPM (Optional)	VGA	(1) D-Sub 15-pin	
	FAN	(4) 4056 fans + (4) 4028 fans		RJ-45	(2) 10GbE ports, (1) PHY dedicated for IPMI	
Power Supply	Type	RPSU	TPM Support	Please refer to our TPM supported list.		
	Input Range	AC 100-127V/8.9A, AC 200-240V/4.5A (-2T Sku) AC 100-127V/10A, AC 200-240V/5A (-2T-HE Sku)	System Monitoring	Chipset	Onboard Aspeed AST2500	
	Efficiency	80-PLUS Platinum (-2T Sku) 80-PLUS Titanium (-2T-HE Sku)		Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Output Watts	750 Watts (-2T sku) 8000 Watts (-2T-HE sku)	Temperature	Monitors temperature for CPU & memory & system environment		
Redundancy	1+1	Processor	LED (On system front panel)	Over temperature warning indicator, Fan & PSU fail LED indicator		
Supported CPU Series	(2) Intel® Xeon® Scalable Processor		Others	Watchdog timer support		
Thermal Design Power (TDP) wattage	Max up to 165W		Server Management	Onboard Chipset	Onboard Aspeed AST2500	
Chipset	Intel® C621	AST2300 IPMI Feature		IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub		
Super I/O	-	AST2500 iKVM Feature		IPMI 2.0 compliant baseboard management controller (BMC), Supports storage over IP and remote platform-flash, USB 2.0 virtual hub		
Memory	Supported DIMM Qty	(12)+(12) DIMM slots	AST2500 IPMI Feature	24-bit high quality video compression, 10/100/1000 Mb/s MAC interface		
	DIMM Type / Speed	DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2666	BIOS	Brand / ROM size	AMI / 32MB	
	Capacity	Up to 768GB RDIMM/ 1,536GB LRDIMM/ 3,072GB RDIMM 3DS/LRDIMM 3DS *Follow latest Intel® DDR4 Memory POR		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	
	Memory channel	6 Channels	Operating System	OS supported list	Please refer to our AVL support lists	
Expansion Slots	Memory voltage	1.2V	Regulation	FCC (DoC)	Class A	
	PCI-E	(2) PCI-E Gen3 x16 slots (-V10HR-2T SKU only) or (1) PCI-E Gen3 x16 slot (-V6E4HR-2T SKU)		CE (DoC)	Class A	
	Pre-install TYAN Riser Card	(1) M2093 w/ (2) PCI-E x8 SFF-8611 OCuLink connectors for (4) NVMe ports (-V6E4HR-2T SKU only)		VCCI	Class A	
LAN	Others	(1) PCI-E Gen3 x8 OCP 2.0 slot (con.A+con.C) (1) PCI-E Gen3 x8 storage mezz. Slot	RCM	Class A		
	Port Q'ty	(2) 10GbE ports, (1) PHY	CB/LVD	Yes		
Storage	Controller	Intel® X550-AT2	Operating Environment	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)	
	PHY Controller	Realtek® RTL8211E		Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)	
	SATA	Connector	(2) Mini-SAS HD (8-ports)	In/Non-operating Humidity	90%, non-condensing at 35° C	
		Controller	Intel® C621	RoHS	RoHS 6/6 Complaint	Yes
	Speed	6.0 Gb/s				
	RAID	RAID 0/1/10/5 (Intel® RSTe)				

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

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