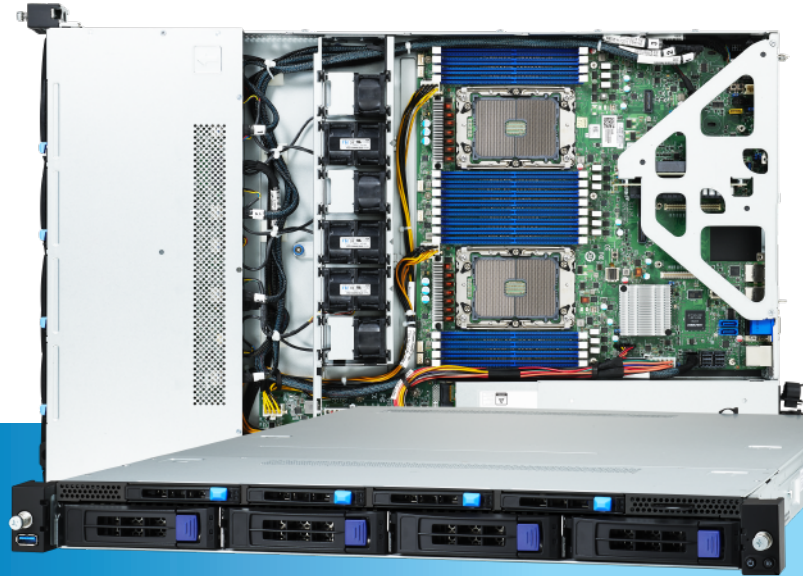


1U2S CLOUD SERVER



Thunder CX GC68-B7126

B7126G68V4E4HR



Front View



- (4) hot-swap 2.5" 7mm NVMe SSD +
- (4) hot-swap 3.5" SATA/SAS SSD/HDDs

Back View



(1+1) 850W RPSU, 80+ Platinum

1U2S Whitely 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
- (4) hot-swap, tool-less 3.5" SATA 6G + (4) NVMe hot-swap, tool-less 2.5" NVMe U.2 trays
- (2) FH/HL PCIe Gen.4 x16 slots
- (2) GbE + (1) IPMI ports
- Onboard BMC w/ IPMI and iKVM support
- (1+1) 850W RPSU, 80+ Platinum

Summary Table

SKU	Motherboard	Storage
B7126G68V4E4HR	S7126GM2NRE	(4) 3.5" SATA 6G + (4) NVMe U.2

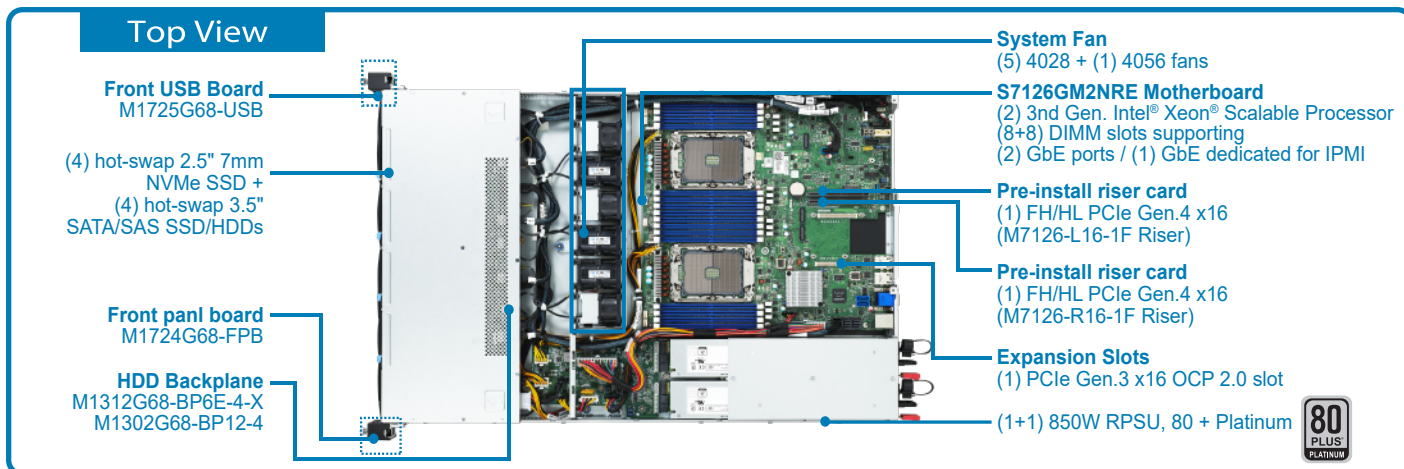


Thunder CX GC68-B7126

B7126G68V4E4HR

TYAN

Specifications



System	Form Factor	1U Rackmount	
	Chassis Name	GC68	
	Dimension (D x W x H)	26.77" x 17.26" x 1.69" (680 x 438.5 x 43mm)	
	Motherboard	S7126GM2NRE	
Front Panel	Gross Weight	20 kg (44 lbs)	
	Net weight	10.5kg (23.5 lbs)	
	Buttons	(1) PWR / (1) ID	
External Drive Bay	LEDs	(1) PWR / (2) ID	
	I/O Ports	(1) USB 3.0 port	
	Q'ty / Type	(4) hot-swap 2.5" 7mm NVMe SSD + (4) hot-swap 3.5" SATA/SAS SSD/HDDs	
System Cooling Configuration	HDD backplane support	NVMe / SATA 6Gb/s	
	Supported HDD Interface	(4) SAS 12Gb/s / SATA 6Gb/s / (4) uFF SATA 6Gb/s SSD/(4) uFF 2.5" NVMe U.2	
Power Supply	FAN	(6) 4cm fans	
	Type	RPSU	
	Input Range	AC 100~240V/ 12~6A	
	Efficiency	80 plus Platinum	
Processor	Output Watts	850 Watts	
	Redundancy	1+1	
	Q'ty / Socket Type	(2) LGA4189	
	Supported CPU Series	3rd Gen Intel Xeon Scalable Processor	
Chipset	Thermal Design Power (TDP) wattage	Max up to 205W#	
	Notification	205W CPU is supported w/airduct @(est.) ambient temperature 30°C	
	PCH	Intel C621A	
Memory	Supported DIMM Qty	(8)+(8) DIMM slots	
	DIMM Type / Speed	DDR4 ECC RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 3200	
	Capacity	Support up to 2,048GB RDIMM/LRDIMM DDR4 3200	
	Memory channel	8 Channels per CPU	
Expansion Slots	Memory voltage	1.2V	
	PCIe	(2) PCIe Gen.4 x16 (FH/HL),	
	Pre-install TYAN Riser Card (PCIe Gen.4)	(1) M7126-L16-1F riser card for (1) PCIe Gen.4 x16 slot / (1) M7126-R16-1F riser card for (1) PCIe Gen.4 x16 slot	
LAN	Others:	(1) PCIe Gen.3 x16 OCP v2.0 mezzanine slot	
	Port Q'ty	(2) GbE ports / (1) GbE dedicated for IPMI	
	Controller	Intel I210-AT	
Storage	PHY Controller	Realtek RTL8211E	
	SATA	Connector	(1) Mini-SAS HD (4 ports)
		Controller	Intel C621A
		Speed	6Gb/s
		RAID	RAID 0/1/10/5 (Intel RSTe)
	NVMe	Connector(U.2)	(1) 22110/2280 (by PCIe interface)
Connector(M.2)		(4) NVMe ports default from (1) M1312G68-BP6E-4X card	

Graphic	Connector type	D-Sub 15-pin
	Resolution	Up to 1920x1200
	Chipset	Aspeed AST2500
Input /Output	USB	(2) USB3.0 ports (@ rear) / (1) USB3.0 ports (@ front)
	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
BIOS	AST2500 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface
	Brand / ROM size	AMI / 32MB
Operating System	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 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)
RoHS	In/Non-operating Humidity	90%, non-condensing at 35° C
	RoHS 6/6 Complaint	Yes

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

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