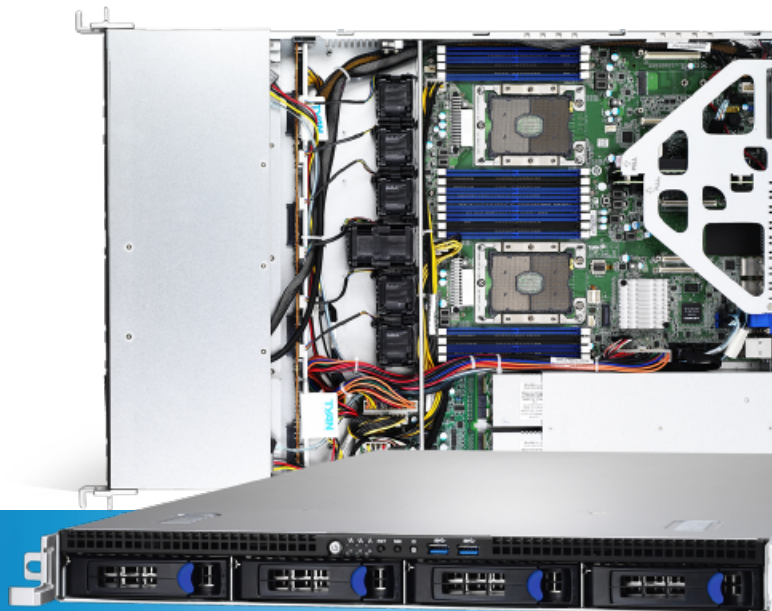


1U2S SERVER PLATFORM



Thunder CX GT24E-B7106

B7106G24EV4HR / B7106G24EV2E2HR



Front View



- (4) 3.5"/2.5" Hot-Swap SSD/HDDs devices



- (2) 3.5"/2.5" Hot-Swap SSD/HDDs + (2) NVMe devices

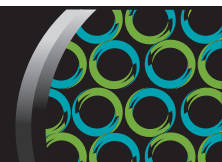
Back View



- (1+1) 650W RPSU, 80 PLUS Platinum

1U2S server platform designed for data center deployment

- Max up to (4) 3.5"/2.5" Hot-Swap SSD/HDDs devices or (2) 3.5"/2.5" Hot-Swap SSD/HDDs + (2) NVMe devices
- Dual LGA3647 socket supports (2) Intel® Xeon® Scalable Processor Family
- (8+8) DIMM slots DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2666 Supporting up to 512GB RDIMM/ 1,024GB LRDIMM/ 768GB LRDIMM 3DS *Follow latest Intel DDR4 Memory POR
- Max up to (2) PCI-E Gen3 x16 slots
 - (1) PCI-E Gen3 x16 OCP 2.0 slots (con.A+con.B)
 - (1) PCI-E Gen3 x16 OCP 2.0 slots (con.A+con.B+con.C)
- (2) GbE ports + (1) PHY port (via Intel® I210-AT + via Realtek® RTL8211E)
- Onboard BMC w/ IPMI and iKVM support
- (1+1) 650W RPSU, 80 PLUS Platinum

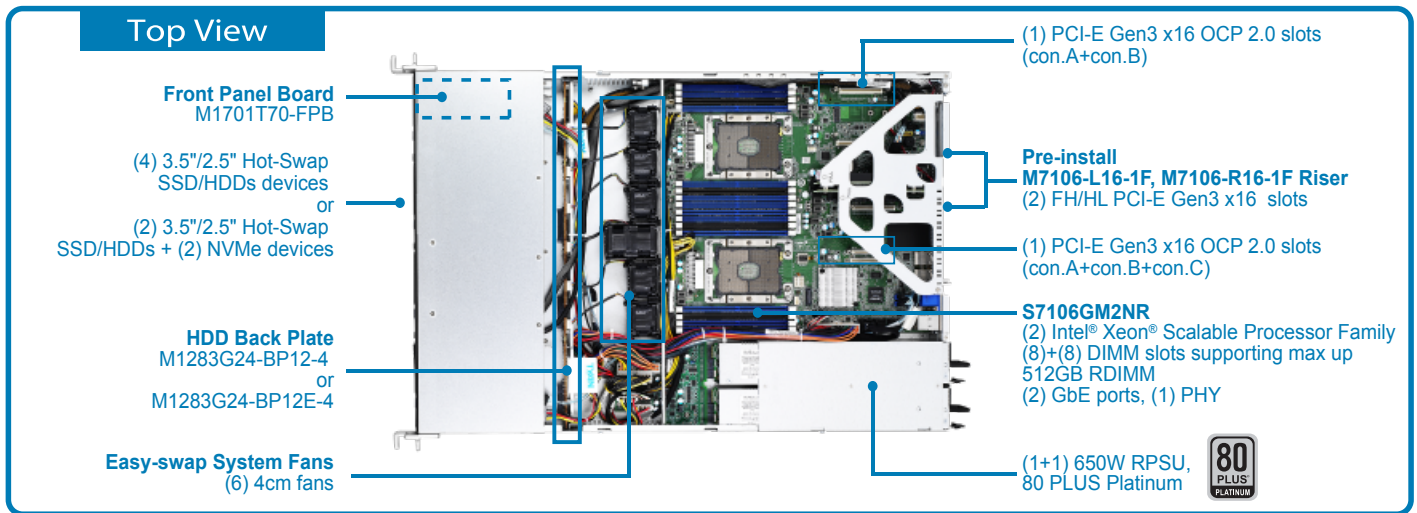


Thunder CX GT24E-B7106

B7106G24EV4HR / B7106G24EV2E2HR

TYAN

Specifications



System	Form Factor	1U Rackmount
	Chassis Name	GT24E
	Dimension (D x W x H)	25.4" x 17.2" x 1.72" (645 x 436 x 43.6mm)
	Motherboard	S7106GM2NR
	Gross Weight	21 kg (46.5 lbs)
Front Panel	Buttons	(1) RST, (1) PWR w/ LED, (1) UID
	LEDs	(1) ID, (1) UID, (1) BMC event
External Drive Bay	I/O Ports	(2) USB 2.0 ports
	Type / Qty	3.5"/2.5" Hot-Swap SSD/HDDs/ (4) or 3.5"/2.5" Hot-Swap SSD/HDD + NVMe/ (2) + (2)
	HDD backplane support	SAS 12Gb/s, SATA 6Gb/s or SAS 12Gb/s, SATA 6Gb/s, NVMe
System Cooling Configuration	Supported HDD Interface	(4) SATA 6Gb/s or (2) SATA 6Gb/s + (2) NVMe
	FAN	(6) 4cm fans
Power Supply	Type	RPSU
	Input Range	AC 100-240V/8A
	Efficiency	80-PLUS Platinum
	Output Watts	650 Watts
Processor	Redundancy	1+1
	Supported CPU Series	(2) Intel® Xeon® Scalable Processor Family
	Thermal Design Power (TDP) wattage	Max up to 165W
Chipset	Chipset	Intel® C621
	Super I/O	-
Memory	Supported DIMM Qty	(8)+(8) DIMM slots
	DIMM Type / Speed	DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2666
	Capacity	Up to 512GB RDIMM/ 1,024GB LRDIMM/ 768GB LRDIMM 3DS *Follow latest Intel® DDR4 Memory POR
	Memory channel	6 Channels
	Memory voltage	1.2V
Expansion Slots	PCI-E	(2) PCI-E Gen3 x16 slots
	Pre-install TYAN Riser Card	M7106-L16-1F, M7106-R16-1F
	Pre-install TYAN OCP Riser Card	-
	Others	(1) PCI-E Gen3 x16 OCP 2.0 slots (con.A+con.B) (1) PCI-E Gen3 x16 OCP 2.0 slots (con.A+con.B+con.C)
LAN	Port Qty	(2) GbE ports, (1) PHY
	Controller	Intel® I210-AT
	PHY Controller	Realtek® RTL8211E

Storage	SATA	Connector	(2) Mini-SAS HD (8-ports)
		Controller	Intel® C621
		Speed	6.0 Gb/s
	sSATA	RAID	RAID 0/1/10/5 (Intel RSTe)
		Connector	(2) SATA-III, (1) Mini-SAS HD (4-ports)
Controller		Intel® C621	
Graphic	Speed	6.0 Gb/s	
	RAID	RAID 0/1/10/5 (Intel® RST)	
	M.2 connector	(1) M.2 connector (2242/2260/2280) by PCI-E interface	
Input /Output	Connector type	D-Sub 15-pin	
	Resolution	Up to 1920x1200	
	Chipset	Aspeed AST2500	
	USB	(2) USB3.0 ports (2 at rear), (2) USB3.0 ports (2 at front)	
TPM (Optional)	COM	(1) DB-9 port	
	VGA	(1) D-Sub 15-pin	
	RJ-45	(2) GbE ports, (1) PHY 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	
Server Management	LED (On system front panel)	Over temperature warning indicator, Fan & PSU fail LED indicator	
	Others	Watchdog timer support	
	Onboard Chipset	Onboard Aspeed AST2500	
BIOS	AST2500 iKVM Feature	IPMI 2.0 compliant baseboard management controller (BMC), Supports storage over IP and remote platform-flash, USB 2.0 virtual hub	
	AST2500 IPMI Feature	24-bit high quality video compression, 10/100/1000 Mb/s MAC interface	
Operating System	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	
Regulation	OS supported list	Please refer to our AVL support lists	
	FCC (DoC)	Class A	
Operating Environment	CE (DoC)	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 Compliant	Yes	

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

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