

1U RACK-OPTIMIZED SERVER PLATFORM FOR HPC

GT62B-B7076

B7076G62BV10H / B7076G62BV10HR
B7076G62BV6E4HR



■ Front View



(10) Hot-swap 2.5" SATA 6G/ SAS 12G HDDs

■ Back View



(2) GbE, (1) EPS1U 500W PSU



(2) GbE, (1+1) RPSU 650W PSU

RACK-OPTIMIZED 1U Dual-Socket Server Implementation for HPC Applications

- Dual LGA2011 socket supports (2) E5-2600 v3 series processors
- Intel® C612
- (8)+(8) DIMM slots
Support up to 512GB RDIMM DDR4 2133/1866/1600
Support up to 1,024GB LRDIMM DDR4 2133/1600
Support up to 2,048 LRDIMM 3DS DDR4 2133/1600
- (2) Half-Height/ Half-Length PCI-E Gen3 x8 slots
(2) OCP slots for OCP Mezz card
- (10) Hot-swap 2.5" SATA 6G/ SAS 12G HDDs
- (2) GbE (via Intel® I350-AM2)
- Onboard BMC w/ IPMI and iKVM support
- (1) EPS1U 500W PSU, 80-PLUS Platinum or (1+1) RPSU 650W PSU, 80-PLUS Platinum (-R SKU)

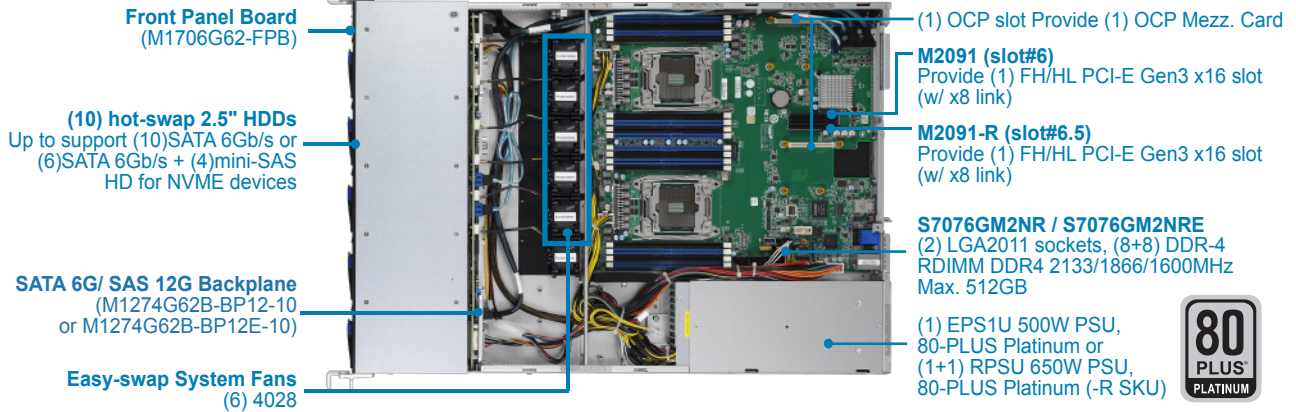


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TYAN
Specifications

Top View



System	Form Factor	1U Rackmount
	Chassis Name	GT62B
	Dimension (H x W x D)	24.6" x 17.2" x 1.72" (625.4 x 436 x 43.6mm)
	Motherboard	S7076GM2NR
	Gross Weight	17 kg
Front Panel	Buttons	(1) PWR / (1) RST / (1) ID
	LEDs	(1) HDD / (2) LAN / (1) ID / (1) Warning
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	2.5" Hot-Swap / (10)
	HDD backplane support	SAS 12Gb/s/ SATA 6Gb/s
	Supported HDD Interface	(10) SATA 6Gb/s or (6) SATA 6Gb/s + (4) mini-SAS HD for NVMe devices (-E SKU)
System Cooling Configuration	FAN	(6) 4cm fans
	Type	RPSU
Power Supply	Efficiency	80 plus Platinum
	Redundancy	1+1
	Input Range	AC 100-127V/10A / AC 200-240V/5A
	Frequency	47 - 63 Hertz
	Output Watts	650 Watts (-R SKU)
	Power Supply Type	EPS1U
	Efficiency	PFC / 80 plus Platinum
	Input Range	100-127V AC/8A / 200-240V AC/4A
Processor	Supported CPU Series	Intel® Xeon® Processor E5-2600 v3 series
	Socket Type / Q'ty	LGA2011/ (2)
	Thermal Design Power (TDP) wattage	Max up to 135W
Chipset	Chipset	Intel® C612
	Super I/O	-
Memory	Supported DIMM Qty	(8)+(8) DIMM slots
	DIMM Type / Speed	RDIMM DDR4 2133/1866/1600 / LRDIMM DDR4 2133/1600 / LRDIMM 3DS DDR4 2133/1600
	Capacity	Up to 512GB RDIMM/ 1,024GB LRDIMM/ 2,048GB LRDIMM 3DS *Follow latest Intel DDR4 Memory POR
	Memory channel	4 Channels per CPU
	Memory voltage	1.2V
Expansion Slots	Pre-install TYAN Riser Card	M2091, PCI-E x16 1U riser card (left) / M2091-R, PCI-E x16 1U riser card (right)
	Port Q'ty	(2) GbE RJ-45 (1 port shared with IPMI)
LAN	Controller	Intel® I350-AM2

Storage	SSATA	Connector	(1) Mini-SAS (4-ports)
		Controller	Intel® C612
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel RST) only for 4 SATA devices
SATA	SATA	Connector	(1) Mini-SAS (4-ports) + (2) SATA (totally support 6 ports) or (2) SATA (-E SKU)
		Controller	Intel® C612
		Speed	6.0 Gb/s
		RAID	RAID 0/1/10/5 (Intel RST)
Graphic	Connector type	D-Sub 15-pin	
	Resolution	Up to 1920x1200	
	Chipset	Aspeed AST2400	
Input /Output	USB	(2) USB3.0 ports (2 at rear) / (2) USB2.0 ports (2 at front)	
	COM	(1) DB-9 COM port	
	VGA	(1) D-Sub 15-pin (rear)	
	RJ-45	(2) GbE ports (1 port shared with IPMI)	
	SFP+	N/A	
System Monitoring	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Temperature	Monitors temperature for CPU & memory	
	LED (On system front panel)	Over temperature warning indicator / Fan & PSU fail LED indicator	
	Others	Watchdog timer support	
Server Management	Onboard Chipset	Onboard Aspeed AST2400	
	AST2400 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub	
	AST2400 iKVM Feature	24-bit high quality video compression / 10/100 Mb/s MAC interface	
BIOS	Brand / ROM size	AMI / 16MB	
	Feature	User-configurable H/W monitoring / SMBIOS 2.7/PnP/Wake on LAN / ACPI 3.0/ACPI sleeping states S1,S4,S5	
Operating System	OS supported list	Please refer to our Intel OS supported list.	
Regulation	FCC (DoC)	Class A	
	CE (DoC)	Yes	
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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