

COST-EFFECTIVE SMP SERVER PLATFORM

GT20-B7002

B7002G20V4H



■ Front View



■ Back View



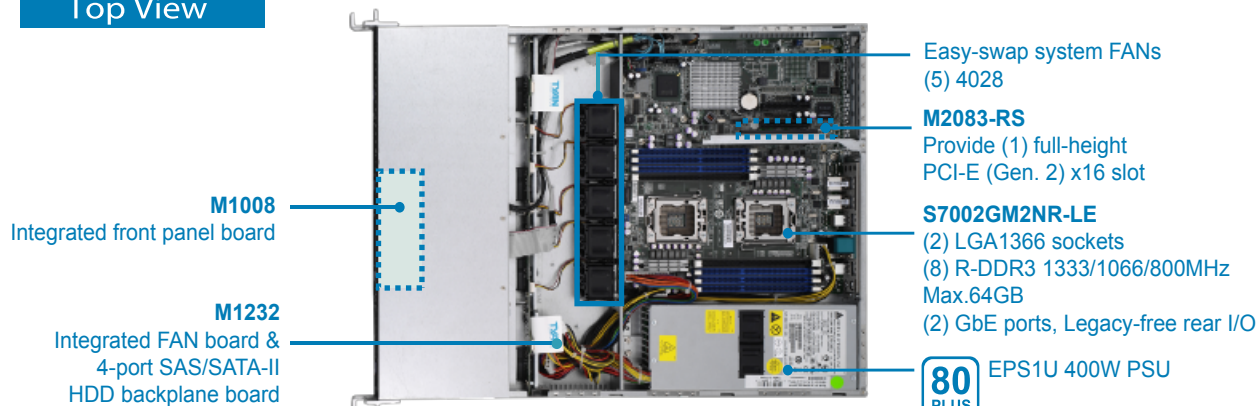
Entry 1U dual-socket SMP server platform for most of enterprise and HPC applications

- Dual LGA1366 sockets support up to (2) Intel® Quad-Core Xeon® Processor 5500 Series
- Support QPI 6.4/ 5.86/ 4.8 GT/s
- Intel® 5500 IOH
- Intel® ICH10R South Bridge
- (8) 240-pin DDR3 DIMM slots support up to 64GB R-DDR3 1333/1066/800MHz w/ ECC memory
- (1) FH/FL PCI-E (Gen.2) x16 slot
- (2) GbE LAN
- (4) Hot-swap SATA-II HDDs w/ RAID 0/1/10/5 support
- Onboard BMC w/ iKVM support
- (1) EPS1U high-efficiency 400W PSU w/ PFC

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Top View



System	Form Factor	1U Rackmount
	Chassis Name	GT20
	Dimension (D x W x H)	22.4" x 17.2" x 1.72" (568 x 436 x 43.6mm)
	Motherboard	S7002GM2NR-LE
	Gross Weight	16 kg
Front Panel	Buttons	(1) PWR (w/ LED) / (1) RST / (1) NMI / (1) ID
	LEDs	(1) ID / (1) Warning / (1) Reserved (2) LAN / (1) HDD
	I/O Ports	(2) USB ports
External Drive Bay	Type / Q'ty	3.5" Hot-Swap / (4)
	Supported HDD Interface	SATA-II 3.0Gb/s
System Cooling Configuration	FAN	(5) 4cm fans
	Type	EPS1U
Power Supply	Input Range	Full-range AC(100-240V)
	Frequency	60 Hertz
	Output Watts	400 Watts
	Efficiency	PFC / 80-plus
Processor	Supported CPU Series	Intel® Xeon® Processor 5500 Series
	Socket Type / Q'ty	LGA1366 / (2)
	Thermal Design Power (TDP) wattage	95W
	System Bus	Up to 4.8/ 5.86/ 6.4GT/s with Intel® QuickPath Interconnect (QPI) support
Chipset	IOH / ICH	Intel 5500 / ICH10R
	Super I/O	Winbond W83627
Memory	Supported DIMM Qty	(8) DIMM sockets
	DIMM Type / Speed	DDR3 800/1066/1333 RDIMM/UDIMM
	Capacity	Up to 64GB
	Memory channel	6 Channels (3 Channels per CPU)
	Memory voltage	1.5V
Expansion Slots	PCI-E	(1) PCI-E FH/FL Gen.2 x16 slot
	Pre-installed TYAN® Riser Card	M2083-RS, PCI-E x16 1U riser card (left)
LAN	Port Q'ty	(2)
	Controller	Intel 82574L
Storage	SATA	Controller ICH10R
		Speed 3.0 Gb/s
		RAID RAID 0/1/10/5 (Intel® Matrix RAID)

Graphic	Connector type	D-Sub 15-pin	
	Resolution	1600x1200@60Hz	
	Chipset	Aspeed AST2050	
I/O Ports	USB	(6) ports (2 at front, 4 at rear)	
	COM	(1) DB-9 port	
	VGA	(1) D-sub port	
	RJ-45	(2) ports	
System Monitoring	Chipset	Winbond W83793G	
	Voltage	Monitors voltage for CPU, memory, chipset & power supply	
	Temperature	Monitors temperature for CPU & system environment	
	LED	Fan fail LED indicator Over temperature warning indicator	
	Others	Watchdog timer support	
Server Management	Onboard Chipset	Onboard Aspeed AST2050	
	AST2050 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) Supports storage over IP and remote platform-flash BIOS update USB 2.0 virtual hub	
		AST2050 iKVM Feature	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces
BIOS	Brand / ROM size	AMI / 2MB	
	Feature	Plug and Play (PnP) PCI2.3 /WfM2.0 /SMBIOS2.3 /PXE boot ACPI 2.0 power management Power on mode after power recovery User-configurable H/W monitoring Auto-configurable of hard disk types Multiple boot options	
Operating System	OS supported list	Please refer to our 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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