

## COST-EFFECTIVE SMP SERVER PLATFORM

# GT20-B7002

B7002G20V4H



### ■ Front View



### ■ Back View



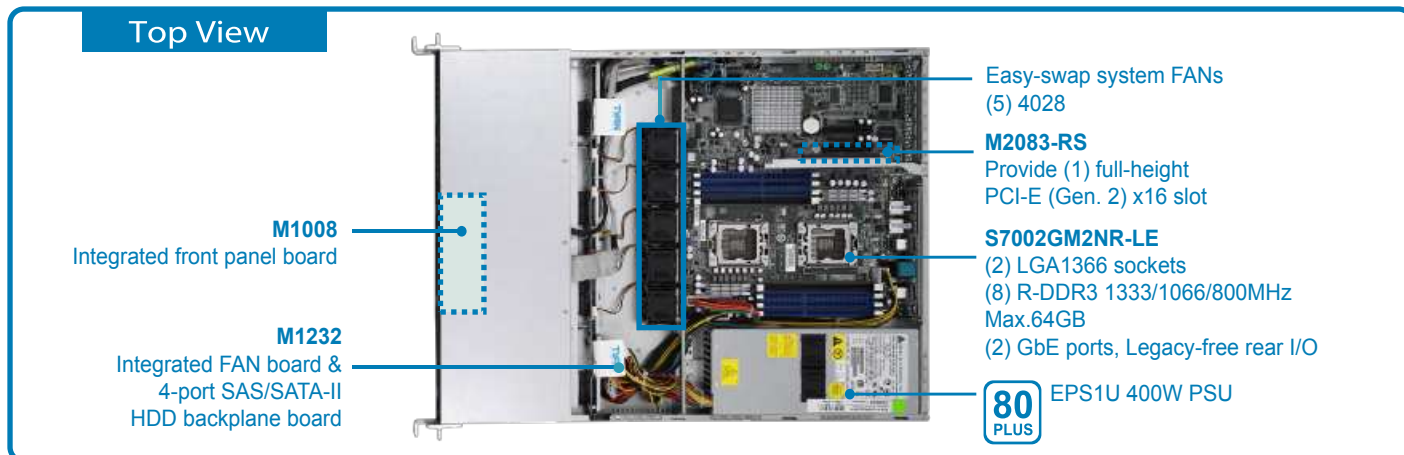
Entry 1U dual-socket SMP server platform for most of enterprise and HPC applications

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

<b>Graphic</b>	<b>Connector type</b>	D-Sub 15-pin
	<b>Resolution</b>	1600x1200@60Hz
	<b>Chipset</b>	Aspeed AST2050
<b>I/O Ports</b>	<b>USB</b>	(6) ports (2 at front, 4 at rear)
	<b>COM</b>	(1) DB-9 port
	<b>VGA</b>	(1) D-sub port
<b>System Monitoring</b>	<b>RJ-45</b>	(2) ports
	<b>Chipset</b>	Winbond W83793G
	<b>Voltage</b>	Monitors voltage for CPU, memory, chipset & power supply
	<b>Temperature</b>	Monitors temperature for CPU & system environment
<b>Server Management</b>	<b>LED</b>	Fan fail LED indicator Over temperature warning indicator
	<b>Others</b>	Watchdog timer support
	<b>Onboard Chipset</b>	Onboard Aspeed AST2050
	<b>AST2050 IPMI Feature</b>	IPMI 2.0 compliant baseboard management controller (BMC) Supports storage over IP and remote platform-flash BIOS update USB 2.0 virtual hub
	<b>AST2050 iKVM Feature</b>	24-bit high quality video compression Dual 10/100 Mb/s MAC interfaces
<b>BIOS</b>	<b>Brand / ROM size</b>	AMI / 2MB
	<b>Feature</b>	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
<b>Operating System</b>	<b>OS supported list</b>	Please refer to our OS supported list.
<b>Regulation</b>	<b>FCC (DoC)</b>	Class A
	<b>CE (DoC)</b>	Yes
<b>Operating Environment</b>	<b>Operating Temp.</b>	10° C ~ 35° C (50° F ~ 95° F)
	<b>Non-operating Temp.</b>	-40° C ~ 70° C (-40° F ~ 158° F)
	<b>In/Non-operating Humidity</b>	90%, non-condensing at 35° C
<b>RoHS</b>	<b>RoHS 6/6 Complaint</b>	Yes

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

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