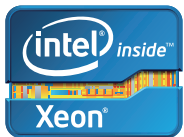


## SINGLE-SOCKET 1U OPTIMIZATION PLATFORM



# GT62A-B5512

B5512G62AW10H / B5512G62AV10H



### ■ Front View



(10) Hot-Swap 2.5" SATA-III/ SAS HDDs

### ■ Back View



(1) FH/FL PCI-E (G3) x16 slots

## Single-socket server platform for Rack Optimization, Server Storage applications

- Single LGA1155 socket supports (1) E3-12xx and I3-21xx (32nm / 22nm) series CPU
- Intel® C200 PCH and LSI SAS2008 design
- (4) 240-pin DDR3 DIMM slots support up to 32GB U-DDR3 1600/1333/1066 MHz w/ ECC memory
- (1) PCI-E Gen3 slot by riser
- (4) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- (2) SATA-III connectors
- (8) SAS/SATA 6G ports from LSI SAS2008 (B5512G62AW10H)
- (2) GbE + (1) PHY dedicate for IPMI Link
- (10) Support SAS/SATA 2.5" HDD
- Onboard BMC w/ IPMI and iKVM support

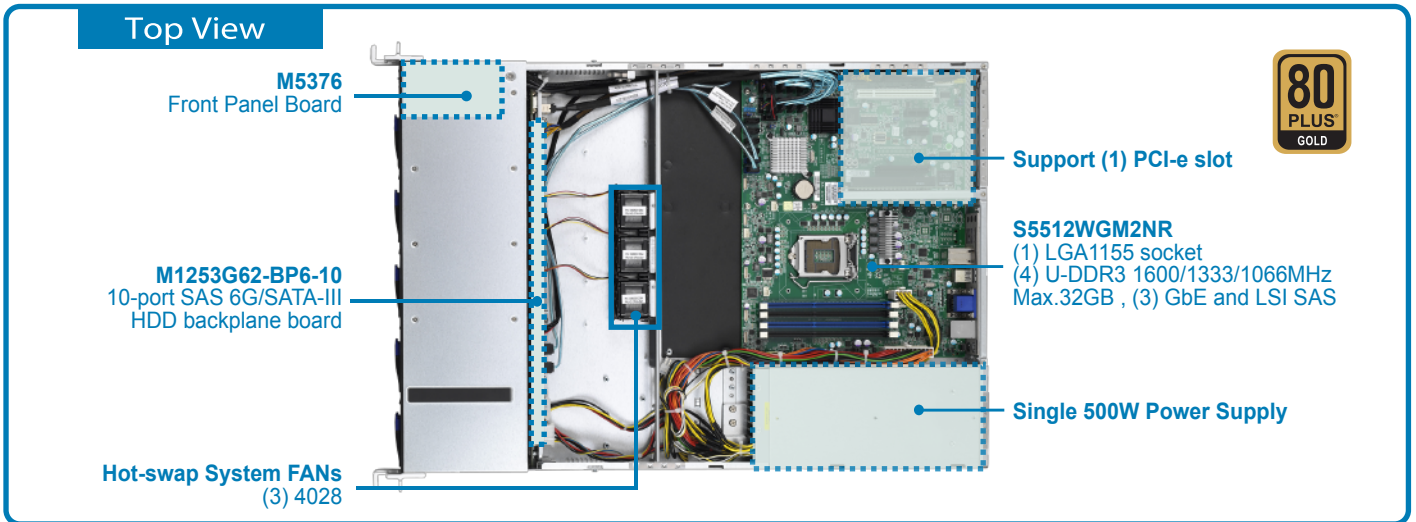
\* Need a discrete HBA to enable all ten(10) drives. (B5512G62AV10H SKU)



# GT62A-B5512

B5512G62AW10H / B5512G62AV10H

**TYAN**  
Specifications



System (Recommend Chassis)	<b>Form Factor</b>	1U Rackmount
	<b>Chassis Name</b>	GT62A
	<b>Dimension (H x W x D)</b>	1.72" x 17.2" x 24.6"(43.6mm x 436mm x 625mm)
	<b>Motherboard</b>	S5512GM2NR/S5512WGM2NR
Front Panel	<b>Gross Weight</b>	16KG
	<b>Buttons</b>	(1) PWR / (1) RST / (1) ID
	<b>LEDs</b>	(1) ID / (1) Warning / (2) LAN/ (1) HDD
External Drive Bay	<b>I/O Ports</b>	(2) USB ports
	<b>Type / Q'ty</b>	2.5" Hot-Swap / (10)
System Cooling Configuration	<b>Supported HDD Interface</b>	10-bay for 2.5"HDD ,6Gb/s mini-SAS backplane
	<b>FAN</b>	(3) 4028
Power Supply	<b>Type</b>	ERP1U
	<b>Input Range</b>	Full-range AC(100-240V)
	<b>Frequency</b>	47 - 63 Hertz
	<b>Output Watts</b>	500 Watts
Processor	<b>Efficiency</b>	PFC / 80-PLUS Gold
	<b>Supported CPU Series</b>	Intel® Xeon® E3-1200, i3-2100 (32nm / 22nm) series processors
	<b>Socket Type / Q'ty</b>	Socket H2
Chipset	<b>Average CPU Power (ACP) wattage</b>	Up to 95W
	<b>Chipset</b>	Intel® C204
Memory	<b>Super I/O</b>	-
	<b>Supported DIMM Qty</b>	4 DIMM slots
	<b>DIMM Type / Speed</b>	DDR3 up to 1600 UDIMM
	<b>Capacity</b>	Up to 32GB ECC UDIMM
Expansion Slots	<b>Memory channel</b>	2 Channels
	<b>Memory voltage</b>	1.5V
	<b>PCI-E</b>	(1) PCI-E x8 slots by Riser Card
LAN	<b>Recommended TYAN® Riser Card</b>	M2091, PCI-E x16 1U riser card (left)
	<b>Port Q'ty</b>	(2) GbE ports
LAN	<b>Controller</b>	Intel® 82574L

Storage	SAS	<b>Controller</b>	LSI SAS2008 (B5512G62AW10H SKU)
		<b>Speed</b>	6.0 Gb/s
		<b>RAID</b>	RAID 0/1/10
Graphic	SATA	<b>Controller</b>	Intel® C204 series
		<b>Speed</b>	2 for 6.0 Gb/s(blue color), 4 for 3.0 Gb/s(black color)
		<b>RAID</b>	RAID 0/1/10/5 (Intel® RST)
Input /Output	<b>Connector type</b>	D-Sub 15-pin	
	<b>Resolution</b>	up to 1920 x 1200	
System Monitoring	<b>Chipset</b>	Aspeed AST2150	
	<b>USB</b>	(6) USB2.0 ports (2 at front, 4 at rear)	
	<b>COM</b>	(1) port (rear)	
	<b>VGA</b>	(1) D-Sub 15-pin VGA port	
BIOS	<b>RJ-45</b>	(2) GbE + (1) PHY dedicate for IPMI Link	
	<b>Chipset</b>	Nuvoton 5577D	
	<b>Voltage</b>	Monitors voltage for CPU, memory, chipset & power supply	
Regulation	<b>Temperature LED (On system front panel)</b>	Monitors temperature for CPU & system environment Fan fail LED indicator Over temperature warning indicator	
	<b>Other</b>	Chassis intrusion detection Watchdog timer support	
Operating Environment	<b>Brand / ROM size</b>	AMI / 8MB	
	<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	
RoHS	<b>FCC (DoC)</b>	Class A	
	<b>CE (DoC)</b>	Yes	
Operating Environment	<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 Compliant</b>	Yes	

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

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