

## Power-Efficient Entry-Level 1U Server



### Tank GT20

**B5211G20V4H**



#### Key Feature

Front View



Back View



#### Power-efficient, entry-level 1U server solution LGA775, 8GB DDR2, 2 GbE, PCI-E, 4 Hot Swap SATA-II HDDs

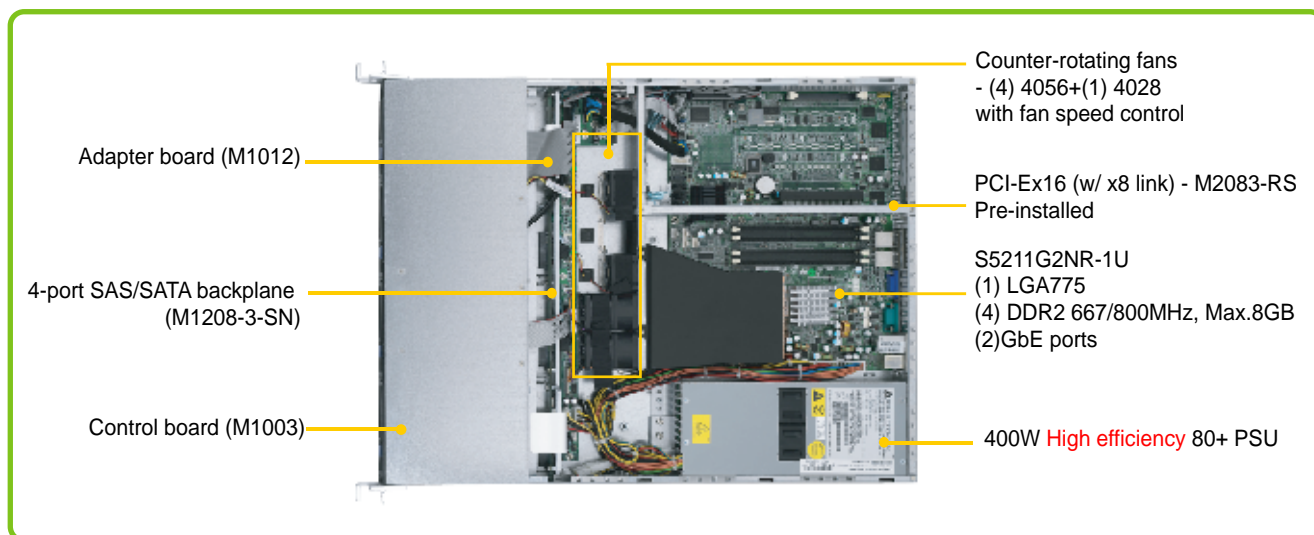
- Single LGA775 socket supports (1) Intel® Quad-Core/ Dual-Core Xeon® 3000/3100/3200/3300 series processor
- Support FSB 1066/ 1333MHz
- Intel® 3200 MCH
- Intel® ICH9R South Bridge
- (4) 240-pin DDR2 DIMM slots support up to 8GB un-buffered 800/667MHz memory with/without ECC
- (1) FH/FL PCI-E x16 slot (w/ x8 link) or (1) FH/FL PCI-X 64/133MHz slot
- (6) SATA-II connectors
- (2) GbE LAN
- (1) OPMA slot for optional TYAN® SMDC support
- (4) Hot-swap SATA-II HDDs w/ RAID 0/1/10/5 support
- (1) slim-type DVD-ROM drive
- (1) 400W high-efficiency PSU w/ PFC

Model Number	HDD Bay (No.)	Storage Backplane	Power Supply
B5211G20V4H	(4) H-S SATA2	4-ports SATA	400W

# Tank GT20

B5211G20V4H

▼ TOP View



## S P E C I F I C A T I O N S

### Enclosure

Industry standard 19" rack-mountable 1U chassis

- (1) slim DVD-ROM bay
- (4) 3.5" hot-swap HDD bays

#### Dimension

- H1.72" x W17.2" x D22.4"
- H43.6mm x W436mm x D568.96mm

### Processors

Single LGA775 socket  
Support Intel® Xeon®  
3000/3100/3200/3300 series processor  
FSB 1333/1066/800MHz

### Chipset

Intel® 3200 MCH  
Intel® ICH9R South Bridge  
SMSC SCH5027 Super I/O chip  
EZ-USB AT2 (CY7C68300C) UltraATA controller

### Memory

(4) 240-pin DDR2 DIMM slots  
Support up to 8GB UDDR2 800/667MHz  
memory with/without ECC

### Expansion Slots

- (1) FH/FL PCI-E x16 slot (with x8 link), or
- (1) FH/FL PCI-X 64/133MHz slot
- (1) OPMA slot for optional TYAN SMDC M3295-2/M3296 support

### Integrated 2D / 3D PCI Graphics

XGI Voralj™ Z9s graphic controller  
PCI interface  
32MB DDR2 video frame buffer memory

### Server Management

Optional TYAN® M3295-2/ M3296 SMDC  
IPMI v2.0 compliant

### BIOS

Phoenix BIOS® on 8Mbit Flash ROM  
Support APM 1.2, ACPI 1.0b  
Serial Console Redirect  
PXE via Ethernet, USB device boot  
PnP, DMI 2.0, WfM 2.0 Power Management  
User-configurable H/W monitoring  
Auto-configuration of hard disk types  
Multiple boot options  
48-bit LBA support

### Integrated LAN Controllers

Intel® 82573L GbE NIC  
Intel® 82573V GbE NIC  
(2) 10/100/1000 LAN ports

### Motherboard

B5211G20V4H  
- TYAN® S5211G2NR-1U

### Power Supply

EPS1U 400W high-efficiency PSU w/  
PFC  
100V~240V full-range AC input

### Rear Panel I/O Ports

- (1) stacked PS/2 connectors for mouse and keyboard
- (1) stacked 2-port USB 2.0 and 1-port RJ-45 connectors (dedicated for IPMI)
- (1) DB-9 serial port
- (1) D-sub VGA port
- (2) side-by-side RJ-45 connectors

### Front Panel Features

- I/O
- (2) USB 2.0 ports
- LED indicators
- Power LED
- (2) LAN LEDs
- HDD Active LED
- ID LED
- Warning LED
- Switches
- Power
- Reset
- ID
- NMI

### Storage

B5211G20V4H  
- Integrated SATA-II controller in ICH9R  
- (4) hot-swap SATA-II HDDs w/ RAID 0, 1, 10, 5 support (Windows only)  
Pre-installed slim type DVD-ROM drive

### System Cooling

- (2) 4056 + (2) 4028 14,800rpm heavy-duty fans with fan speed monitor and control
- (1) Passive CPU Heatsink

### Environment Temperature

Operating temperature 5~35  
Non-operating temperature -40~70

### Regulatory

FCC Class A (Declaration of Conformity)  
CE (Declaration of Conformity)

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