

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

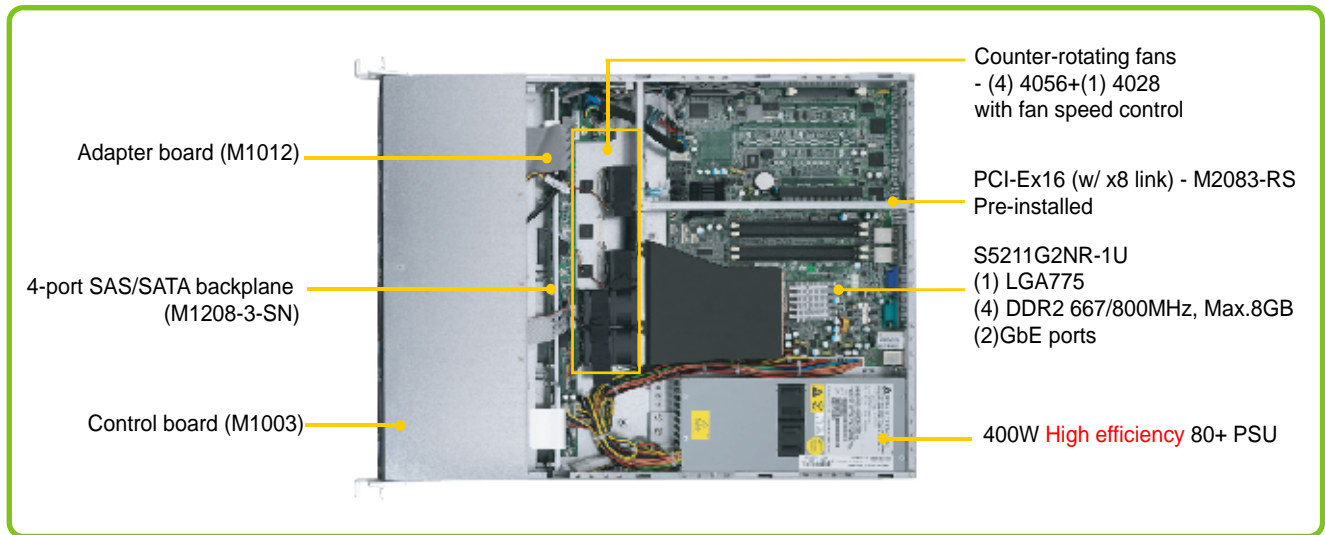
- Single LGA775 socket supports (1) Intel® Quad-Core/ Dual-Core Xeon® 3000/3100/3200/3300 series processor
- Support FSB 1066/ 1333MHz
- Intel® 3200 MCH
- Intel® ICH9R South Bridge
- (4) 240-pin DDR2 DIMM slots support up to 8GB un-buffered 800/667MHz memory with/without ECC
- (1) FH/FL PCI-E x16 slot (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

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▼ 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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