

## Cost-Effective HPC Platform



### Tank GT20

B5191



#### Value UP Server Platform with Intel® 3000 series chipset

Front view



Back view

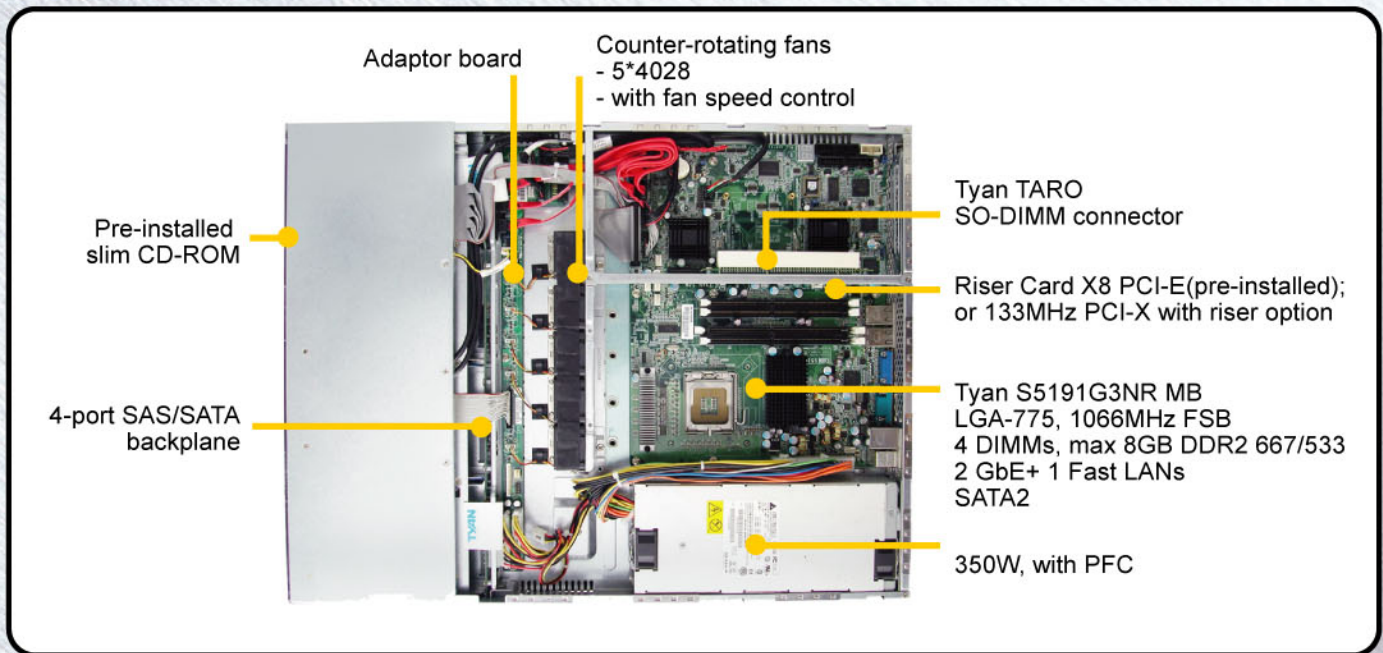


- Support single Intel® Xeon™ (3000 series), LGA775 with 1066MHz FSB
- Intel® 3000 MCH+ ICH7R + PXH-V
- Four (4) DIMMs, supporting max. 8GB unbuffered, ECC/non-ECC DDR2 667/533 memory
- Three(3) LANs: 2\*GbE (Intel® 82573V)+ 1\*Fast (Intel® 82551QM)
- One (1) PCI-E x8 ,or one (1) 133MHz PCI-X with riser option
- Support four (4) hot-swappable SATA2 HDDs with RAID 0, 1, 5, 10
- TYAN GT20 chassis (22.4" in depth), with Delta 350W power

# Tank GT20

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▼ Side View



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

### Enclosure

- Industry 19" rack-mountable 1U chassis
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- (1) slim CD-ROM bay
- (4) 3.5" HDD bays
- (1) slim FDD bay
- Dimension:
- D 22.4 x W 17.2 x H 1.72 inch (568x436x43.6mm)

### Processors

- Single LGA775 socket, supporting single Intel® Xeon™ 3000 series (Conroe core), with 1066FSB, 4MB or 2MB L2 cache

### Chipset

- Intel® 3000 (Mukilteo-2) MCH+ ICH7-R
- PCI-X bridge: Intl PXH-V
- Super I/O: SMSC SCH5027

### Memory

- Four (4) 240-pin DDR2 DIMM sockets, supporting max. 8GB Unbuffered, ECC/non-ECC DDR2-667/533 memory

### Expansion Slots

- One (1) x8 PCI-E with riser (pre-installed); or one 64-bit/133MHz PCI-X with riser option
- One Tyan TARO SO-DIMM connector

### Back I/O Ports

- Stacked PS/2 Mouse & Keyboard ports
- COM1 connector
- One(1) 15-pin VGA port
- Two(2) USB2.0 ports
- Three(3) RJ45 LAN ports

### Front Panel Features

- I/O

- (2) USB 2.0 ports
- LED indicators
- Power LED
- HDD active LEDs
- Switches
- Power
- (2) LAN LEDs
- Reset

### Integrated Storage Controller

- Integrated SATA-II ports from ICH7-R, running at 3Gb/s, supporting RAID 0,1,10 and RAID 5 under Windows OS

### Storage

- Support (4) hot-swappable, SATA2 HDDs (SAS ready backplane)
- Pre-installed slim CD-ROM drive, 24x

### Networking

- Two Gigabit Ethernet ports (Intel 82573V controllers)
- One 10/100Mb port (Intel 82551QM controller)
- Total 3 LAN ports

### Video

- XGI Volari Z7 (XG20) PCI graphics controller, with 16 MB Frame Buffer of video memory

### Motherboard

- TYAN Toledo i3000R S5191G3NR system board
- ATX footprint 9.6" x 12"(244mm\*305mm)

### Product SKU

Model #	HDD type supported	No. of HDD supported	System Board
B5191G20V4H	Hot-swap SATA (4)	4-port SATA/SAS	S5191G3NR

### BIOS

- Phoenix 8Mbit LPC Flash ROM
- Supports ACPI 1.0b & APM1.2
- PnP,DMI2.0 WFM2.0
- Serial Console redirect
- USB boot supported
- Power management
- S0/S1/S4/S5 states supported

### Server Management

- Six fan headers with tachometer monitoring and four with PWM
- Chassis intrusion header
- Temperature, voltage and fan monitoring
- Watchdog timer
- Optional TYAN SMDC kit, IPMI 2.0compliant

### System Cooling

- (5) 40\*40\*28mm 15000rpm heavy-duty fans
- (1) passive CPU heatsink

### Power Supply

- PS 12V, 1U, 350W with PFC; 100V~240V AC input

### Regulatory

- FCC Class B (Declaration of Conformity)
- CE (Declaration of Conformity)

### Environment Temperature

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

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