



## Tank Tyan GT20 (B5211)

### Motherboard

- ☛ Tyan Toledo Motherboard i3200R S5211 system board
- ☛ ATX 12" x 9.6"

### Processor

- ☛ Single LGA775 Socket
- ☛ Support Intel Kentsfield/Yorkfield/Conroe/Wolfdale processor (lower than 150W)
- ☛ 1333/1066/800 FSB supported

### Chipset

- ☛ Intel Bigby-V MCH
- ☛ ICH9R South bridge
- ☛ SMSC SCH5027 Super I/O Chip
- ☛ EZ-USB AT2 (CY7C 68300C) Ultra ATA Controller

### Memory

- ☛ (4) 240 pin DDR2 DIMM Sockets
- ☛ Maximum of 8GB DDR2-667/800
- ☛ Support Un-buffered ECC/non-ECC Dimms

### Expansion Slots

- ☛ (1) PCI-E X 16 Slot with PCI-E 8 bus via M2083-RS (support full profile PCI-E card w/o SMDC) Or (1) PCI-X Slot via M2061 (optional)
- ☛ (1) 200 pin vertical SO-DIMM optional Tyan IPMI SMDC

### Video

- ☛ XGI Z9S
- ☛ 32MB DDR2 frame buffer memory

### Server Management

- ☛ Auto Fan control
- ☛ Chassis Intrusion header
- ☛ Temperature, voltage and fan monitoring
- ☛ Tyan SMDC M3295, M3296 IPMI v2.0 compliant Remote server management kit (option)

### BIOS

- ☛ PHOENIX BIOS on 8Mbit LPC Flash ROM
- ☛ Serial Console Redirect
- ☛ USB boot supported
- ☛ PnP, DMI2.0 Wfm2.0 power Management
- ☛ SO/S1/S4/S5 state supported

### Networking

- ☛ (2) Intel i82573 GbE NICs  
(1\*82573V+1\*82573L)

### Chassis

- ☛ Industry 19" rack-mountable 1U chassis

#### Dimensions:

D22.4" x W17.2" x H1.72"  
(568 x 436 x 43.6mm)

### Power Supply

- ☛ 12V, 400W 80+ plus
- ☛ Universal 24-pin + 8-pin + 4-Pin power connectors

### Back I/O Ports

- ☛ Stacked PS/2 Mouse & Keyboard ports
- ☛ Stacked (2) USB 2.0 ports and RJ45 port for OPMA
- ☛ (1) 15-pin VGA Port
- ☛ (1) 9-pin COM Port
- ☛ (2) side-by-side RJ45 10/100/1000 ports

### Front Panel Features:

- ☛ I/O
- ☛ (2) USB 2.0 ports
- ☛ LED Indicators:
  - Power LED
  - (2) LAN LEDs
  - HDD Active LEDs
  - ID LED
  - Warning LED
- ☛ Switch:
  - Power
  - Reset
  - NMI
  - ID

### Integrated Storage Controller

- ☛ Support (6) SATAII ports running 3Gbps
- ☛ Single Ultra ATA Channels for Single ATA devices

### Storage

- ☛ Support (4) hot-swappable SATA HDD with RAID 0,1,5 and 10 support
- ☛ Pr-installed (1) Slim type DVD-Rom

### System Cooling

- ☛ (2) 40\*40\*28mm Heavy duty fans
- ☛ (2) 40\*40\*56mm Heavy duty fans
- ☛ (1) passive CPU heatsink

### Environment Temperature

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

### Regulatory

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





## Tyan Tank GT20 (B5375)

### Motherboard

- ✧ S5375G2NR
- ✧ CEB footprint (10.5" x 12")
  
- ✧ Processor
  - ✧ Dual LGA771 sockets
  - ✧ Supports up to two Intel® 5100/5200/5400 processors
  - ✧ Support 1.33/1.06Ghz FSB
  
- ✧ Chipset
  - ✧ Intel® 5100 (San Clemente) North Bridge
  - ✧ Intel ICH9-R South Bridge
  - ✧ Winbond 83627DHG Super I/O chip
  
- ✧ Memory
  - ✧ Support eight (8)240 pin DDR2 Dimm sockets
  - ✧ Maximum of 32GB DDR2 -533/667 memory
  - ✧ Support Registered ECC DIMMs
  
- ✧ Expansion
  - ✧ One (1) PCI-E x 16 riser (M2083 pre-installed)
  
- ✧ Video
  - ✧ XGI® Z9S, PCI graphics controller
  - ✧ 32MB DDR2 frame buffer of video memory
  
- ✧ Server Management
  - ✧ System fan speed monitoring and control
  - ✧ Support Tyan Server Management (TSM)
  - ✧ Optional Tyan M3295-2/M3296 SMDC, IPMI 2.0 compliant
  - ✧ Support Tyan LCM Module
  
- ✧ BIOS
  - ✧ AMI BIOS® on 8Mbit Flash ROM
  - ✧ Support ACPI 2.0
  - ✧ Support boot from USB devices
  - ✧ WOL and PXE support
  - ✧ Power-on Mode control for AC loss recovery
  - ✧ PnP, DMI2.0, WfM2.0 Power management (S1,S4,S5 support)
  - ✧ Serial Console redirect
  
- ✧ Networking
  - ✧ Two(2) LAN ports
  - ✧ Two 82573V (via PCI-e x 1 Signal)

### Chassis

- ✧ Enclosure
  - ✧ Industry 19" rack-mountable 1U chassis
  - ✧ (4) 3.5" HDD bays
  - ✧ (1) Slim DVD-Rom bay
  - Dimensions:**
  - ✧ D22.4 x W17.2 x H1.72inch
  - ✧ (D568 x W436 x 43.6mm)
  
- ✧ Power supply
  - ✧ EPS 12V, 1U, 600W with PFC
  - ✧ 100V-240V AC input
  
- ✧ Back I/O Ports
  - ✧ Stacked PS/2 Mouse & Keyboard ports
  - ✧ Stacked USB2.0 Port
  - ✧ (1) 9-pin COM port
  - ✧ (1) 15-pin VGA port
  - ✧ (2) RJ-45 10/100/1000 ports
  - ✧ (1) RJ-45 port for M3295-2/M3296 (Optional)
  
- ✧ Front Panel Expansion
  - ✧ I/O
  - ✧ (2) USB2.0 ports
  - ✧ LED indicators
  - ✧ Power LED
  - ✧ (2) LAN LED
  - ✧ HDD active LED
  - ✧ ID LED
  - ✧ Switches
  - ✧ Power
  - ✧ Reset
  - ✧ NMI
  - ✧ ID
  
- ✧ Storage
  - ✧ Hard disk drives
  - ✧ Support (4) SATA/SATA2 with RAID 0,1,5,+1
  - ✧ Pre-install SATA DVD-Rom
  
- ✧ System Cooling
  - ✧ (4) 40\*40\*56mm 15000rpm
  - ✧ (1) 40\*40\*28mm 15000rpm heavy-duty fans with speed-monitor /control
  - ✧ (2) Passive CPU heatsinks
  
- ✧ Environment Temperature
  - ✧ Operating temperature 5°C ~ 35°C
  - ✧ Non-operating temperature -40°C ~ 70°
  
- ✧ Regulatory
  - ✧ FCC Class A (Declaration of Conformity)
  - ✧ CE (Declaration of Conformity)
  - ✧ VCCI
  - ✧ C-Tick



## Tyan Tank GT14(B5380)

### Motherboard

- ✿ Motherboard
  - ✿ Tyan Toledo i965R (S5180) system board
  - ✿ Flex ATX footprint (9" x 7.5", 228.6x190.5mm)
- ✿ Processor
  - ✿ Single LGA775 socket
  - ✿ Support Intel®P4, Pentium® D & Core 2 Duo processors: CedarMill/ Presler/Conroe
  - ✿ FSB: 533/800/1066Mhz
- ✿ Chipset
  - ✿ Intel® Q965 (Broadwater) MCH Integrates graphics
  - ✿ ICH8
  - ✿ SMSC SCH5027 Super I/O Chip
  - ✿ SMSC EMC6D103 H/W monitoring IC
- ✿ System Memory
  - ✿ (2) 240-pin DDR2 DIMM sockets in dual channels
  - ✿ Support max. of 4GB DDR2 800/667/533 memory
  - ✿ Support non-ECC memory only
- ✿ Expansion Slot
  - ✿ (1) Standard height PCI-E card by riser card M2083-RS(default) or (1) standard height PCI-X card by riser card M2061(optional)
- ✿ Server Management
  - ✿ SMSC SCH5027 Super I/O Chip
  - ✿ SMSC EMC6D103 H/W monitoring IC
  - ✿ Thermal & voltage monitor support
  - ✿ Multiple 4-pin fan monitor headers
  - ✿ PECL circuit for "Conroe" and the processor thermal monitoring
  - ✿ Tyan SMDM M3291, IPMI v2.0 complaint Remote server management kit(option)
- ✿ Integrated Controller
  - ✿ (2) Intel 82573V GbE LAN controllers
  - ✿ Operating at PCI-E x1 from ICH8
  - ✿ (2) GbE LAN ports
- ✿ BIOS
  - ✿ Award BIOS® on 8Mbit Flash ROM
  - ✿ Serial Console Redirect
  - ✿ USB boot supported
  - ✿ Supports APM 1.2 and ACPI
  - ✿ PnP, DMI, Power Management
  - ✿ SO/S4/S5 states supported

### Chassis

- ✿ Enclosure
  - ✿ Industry 19" rack-mountable 1U chassis
  - ✿ Support the following HDD combination:
    - (2) 3.5" HDD + (1) 2.5" HDD
    - (2) 3.5" HDD + (2) 2.5" HDD (option without PCI-E support)
    - (1) 3.5" HDD + (3) 2.5" HDD (option)
  - ✿ Dimensions:
    - With Bezel – 15.5"(D) x 17.2"(W) x 1.7"(H)
      - 394(D) x 436(W) x 43.8(H) mm
    - W/o Bezel – 14.4"(D) x 17.2"(W) x 1.7"(H)
      - 365(D) x 436(W) x 43.8(H) mm
- ✿ Power Supply
  - ✿ EPS 12v , 300W
  - ✿ Universal 24pin, 8pin power connections
- ✿ Back I/O Ports
  - ✿ PS/2 Mouse and Keyboard ports(9stacked)
  - ✿ (4) USB2.0 ports(stacked)
  - ✿ (1) 9-pin COM Port
  - ✿ (1) 15-pin VGA port
  - ✿ (2) side-by-side RJ45 10/100/1000Base-T ports
- ✿ Front Panels Features
  - ✿ I/O (2) USB2.0 ports (on USB PCB)
  - ✿ LED Indicators:
    - HDD, warning/fail,(2)LAN, power, ID LEDs
  - ✿ Switched: power, ID
- ✿ Integrated Storage Controller
  - ✿ Support (4)SATAII ports running at 3.0Gb/s
- ✿ Storage Devices
  - ✿ Hard Disk Drives : support (2) SATA/SATAII3.5" HDDs and (1) SATAII2.5" HDD
- ✿ System Cooling
  - ✿ (1) 12V, 40 x 40 x 28 mm fans
  - ✿ (2) 12V, 40 x 40 x 56mm fans
  - ✿ Passive CPU heatsink
- ✿ Environment Temperature
  - ✿ Operating temperature 5°C ~ 35°C
  - ✿ Non-operating temperature -40°C ~ 70°C
- ✿ Regulatory
  - ✿ FCC Class B (Declaration of Conformity)
  - ✿ CE (Declaration of Conformity)

