

## High Performance, High Density Computing Platform



### Tank GT25

B5381  
Dual Xeon®(Socket-771)



▼ Front View



DVD-ROM

▼ Back View



2 expansion  
slot support

External SAS  
connector

650W redundant  
power

#### Key Feature

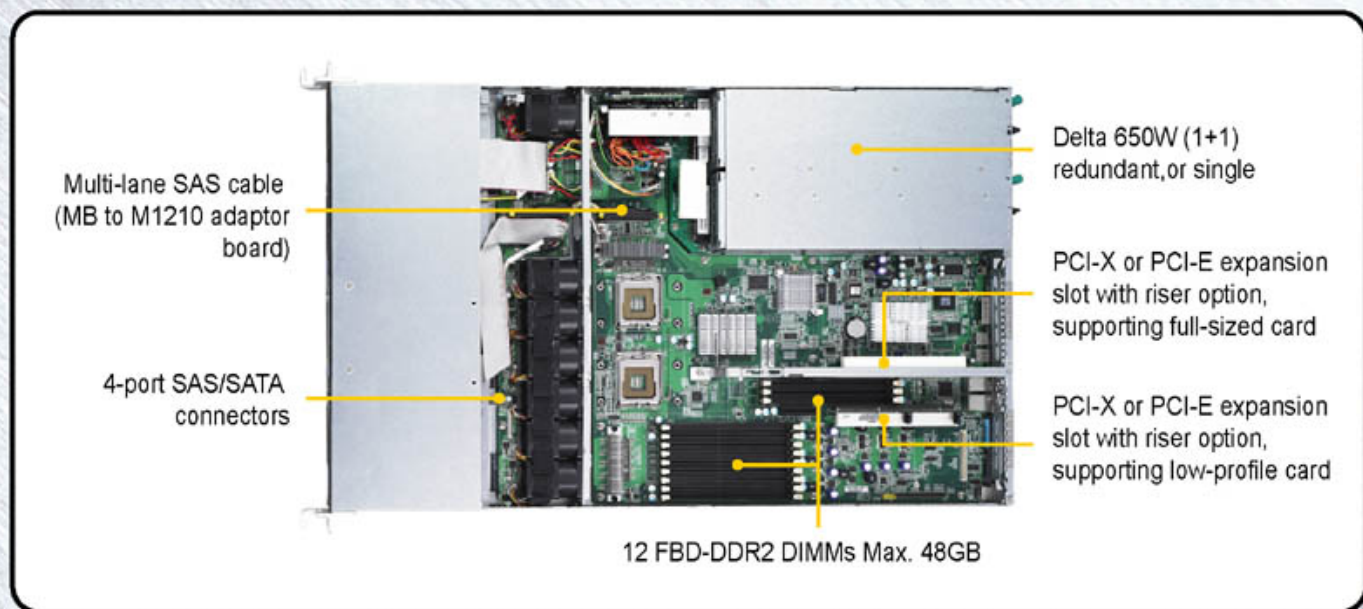
**Supports Intel® Xeon 5000/5100 series, 4 SAS or 4 SATAII;  
Redundant or Single power Support**

- Support Intel® 5000/5100 CPUs (socket-771) / Intel® 5000P/ESB2-E chipset
- (12) Fully-Buffered DIMMs, supporting max. 48GB FBD-DDR2 memory
- Two (2) gigabit Ethernet LANs (Intel® 82563 dual GbE PHY)
- Support two (2) usable slots (PCI-X and PCI-E with riser options )
- Support hot-swap SAS and SATA hard disk drives
- 650W Redundant or Single power Support

# Tank GT25

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▼ TOP View



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

### Enclosure

- Industry 19" rack-mountable 1U chassis
- (1) slim CD-ROM bay
- (4) 3.5" HDD bays
- Dimension:  
D 27.87 x W 17.17 x H 1.71 inch  
(708x436x43.5mm)

### Processors

- Support two 771 sockets for up to two Intel 5000/5100 series processors with 1066MHz/1333MHz FSB

### Chipset

- Intel® 5000P Memory Controller Hub
- Intel® ESB2-E I/O Controller Hub
- Winbone W83627EHG Super I/O chip
- ADT7463 Hardware Monitoring IC(on fan board)

### Memory

- 12 dual ranked DDR2 533/667 FBD sockets
- Supporting up to 48GB memory size
- Four channels of Fully Buffered DIMM (FBD)
- Supports 256MB, 512MB, 1GB, 2GB, and 4GB FB-DDR2 DIMM

### Expansion Slots

- Aligned (1) 64-bit/133MHz PCI-X slot and (1) x8 PCI-E slot, supporting (1) full height/full length add-on PCI-X(M2055) or PCI-E(M2082) card
- Aligned (1) 64-bit/133MHz PCI-X slot and (1) x8 PCI-E slot, supporting (1) low-profile PCI-X(M2057) or PCI-E(M2086) add on card
- 2 usable expansion slots

### Back I/O Ports

- (1) PS/2 Mouse & Keyboard port
- (1) 9-pin UART Serial port
- (1) 15-pin VGA port
- (2) RJ-45 10/100/1000 ports, side-by-side

- (2) USB 2.0 ports, side-by-side
- (1) 4-port SAS connector(SSF-8470)

### Front Panel Features

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

### Integrated Storage Controller

- Embedded 4-port SATA-II from ESB2-E for models B5381G25V4H/R
- Supports four SATA-II ports running at 3.0Gb/s
- On board LSI1068E SAS controller for model B5381G25W4H
- Support 8-port SAS : 4 ports for internal connection and 4 ports for external storage connection

### Storage

- Pre-installed slim type DVD-ROM
- HDD support:
  - B5381G25V4H: Support (4) hot-swappable SATA-II HDD with RAID 0, 1, 10, 5
  - B5381G25W4H: Support (4) hot-swappable SAS HDD with RAID 0, 1, 10, 5

### Networking

- Intel® 82563 GbE PHY supports dual GbE ports

### Video

- ATI ES1000 with 16MB frame buffer

### Motherboard

- TYAN S5381 system board
- Customized 15"x16", (381x406mm)

### BIOS

- PHOENIX BIOS on 8Mbit LPC Flash ROM
- Serial Console Redirect
- Supports APM 1.2 and ACPI 2.0
- PnP, DMI 2.0, WMM 2.0 power Management

### Server Management

- System fan speed control and monitoring
- Chassis intrusion alert
- Supports Tyan Server Management(TSM)
- TYAN SMDC, IPMI 2.0 compliant remote server management kit (Optional)

### System Cooling

- (7) 40\*40\*56mm 15000rpm heavy-duty fans
- (2) passive CPU heatsink

### Power Supply

- Redundant EPS 12V, 1U, 650W(1+1) redundant hot-swap or 650W single
- 100V~240V AC input

### Regulatory

- FCC Class B (Declaration of Conformity)
- CE
- VCCI
- C-Tick

### Environment Temperature

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

Model #	HDD bay	Storage Backplane	Note
B5381G25W4H-R	Hot-swap SAS (4)	4-port SATA/SAS	with 650W (1+1) redundant power
B5381G25W4H	Hot-swap SAS (4)	4-port SATA/SAS	with 650W single power
B5381G25V4H	Hot-swap SATA2 (4)	4-port SATA/SAS	with 650W single power

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