

High Performance High Density Computing



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

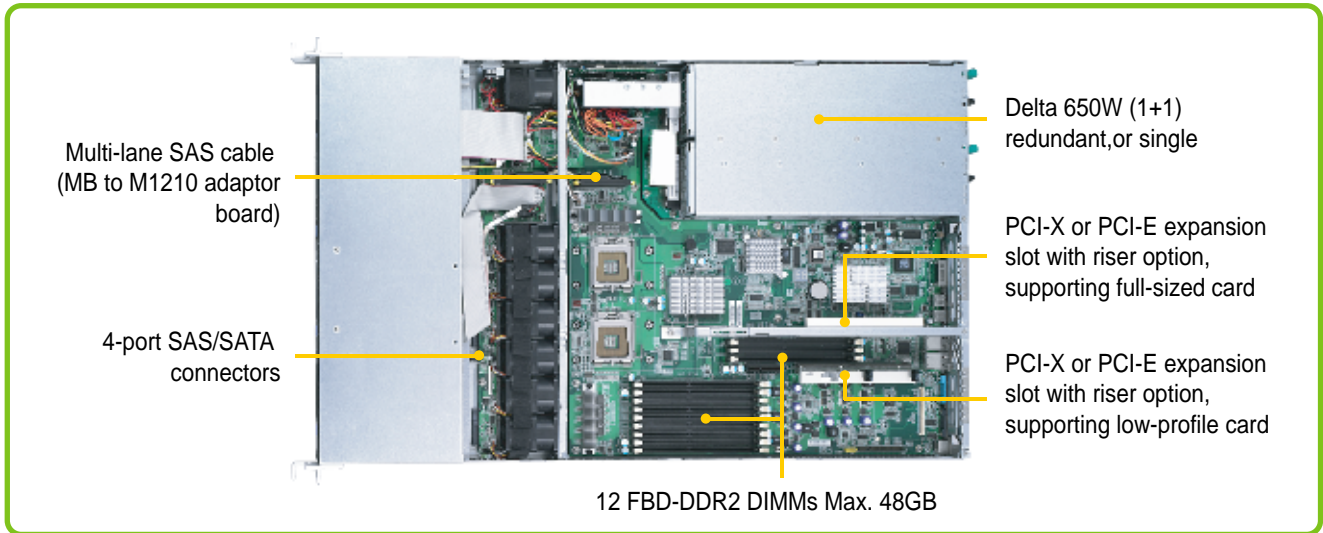
**Supports Intel® Xeon® 5000/5100 series, 4 SAS/SATA;
Redundant or Single power Support**

- Support Intel® Xeon® 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

B5381
Dual Xeon®(Socket-771)

▼ TOP View



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

Enclosure

Industry 19" rack-mountable 1U chassis
Storage bay
- (4) 3.5" HDD bays
- (1) slim line CD-ROM bay
- (1) slim line FDD bay
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 DDRII 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-DDRII 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
Switches
- Power
- NMI
- (2) LAN LEDs
- ID LED
- Reset
- ID

Integrated Storage Controller

B5381G25V4H: embedded 4-port SATA 1.0 from ESB2-E - Supports four SATA 1.0 HDDs running at 1.5Gb/s
B5381G25W4HR: integrated SAS controller - Supports SATA 2.0/SAS ports running at 3.0GB/s
LSI 1068E SAS controller
(8) SAS ports; RAID 0, 1, and 1E supported
Supports Integrated Mirroring, Integrated Enhanced Mirroring, and Integrated Striping

Storage

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

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
B5381G25W4HR	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 SATAI (4)	4-port SATA/SAS	with 650W single power

TYAN COMPUTER CORP.

Tyan Computer USA
Tel: +510-651-8868
Fax: +1-510-651-7688

Tyan Computer Taiwan
Tel: +886-2-8751-2200
Fax: +886-2-8797-2767

Tyan Computer Germany
Tel: +49-89-31859000
Fax: +49-89-31609236

Tyan Computer UK
Tel: +44 (0) 870-027-2881

Tyan Computer Netherlands
Tel: +31-10-2467722
Fax: +31-10-4735881

Tyan Computer China
Tel: +86-010-62555015

Tyan Computer Japan
Tel: +81-3-3837-7580
Fax: +81-3-3837-7581