

## Performance Sub-1U Platforms



### Tank GT14

#### B5180G14S3M

Intel® Pentium™ 4, Pentium™ D and Core 2 Duo 1U Server



#### Key Feature

##### Single Pentium™ 4, 4GB DDR2, 2GbE, PCI-E, 3 SATA2 HDDs

Support Intel® Pentium™ 4, Pentium™ D, & Core™ 2 Duo Cedar Mill/Presler/Conroe processors (socket-775)

Intel® Q965/ICH8 chip

Two (2) non-ECC DDR2 800/667 DIMMs, supporting max. 4GB DDR2 memory

Two (2) LANs: 2\*GbE (Intel® 82573V)

one x16 PCI-E slot with riser (M2083-RS)

Support one (1) full-height add-in card

Fixed HDD bays: (2) 3.5" +(1) 2.5" SATA HDDs

Option1: fixed (2)\* 3.5" +(2) 2.5" SATA HDD (w/o PCI-E support)

Option2: fixed (1) 3.5" + (3) 2.5" SATA HDD

TYAN GT14 (sub-1U), with 300W single power supply

Front View



Back View



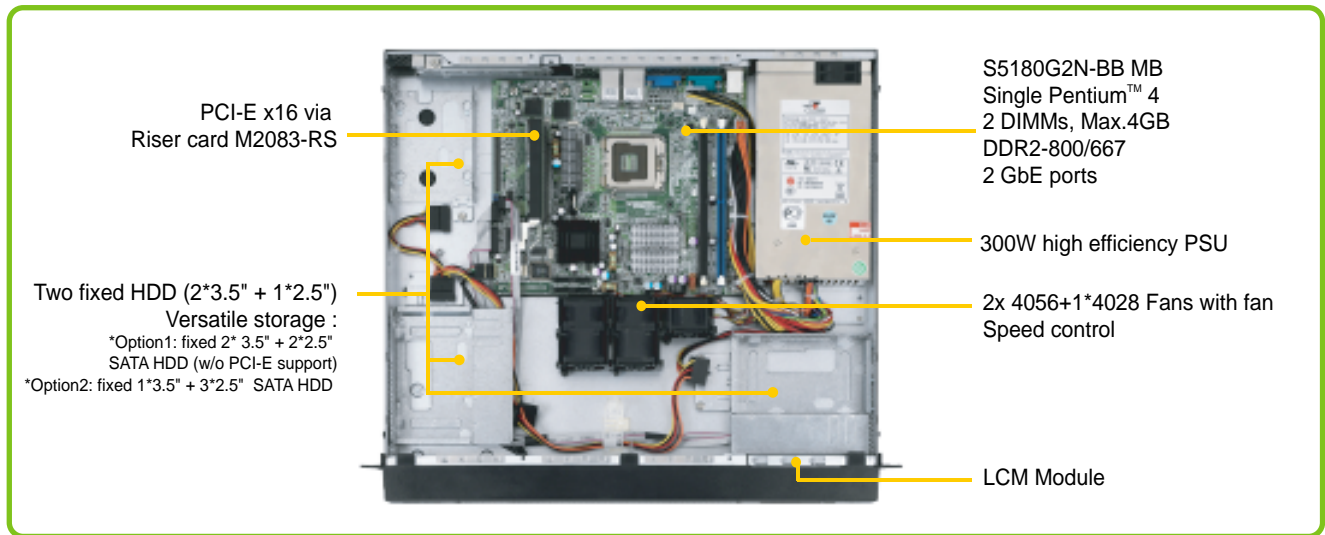
Model #	No. of HDD supported	Storage Backplane	Note
B5180G14S3M	Fixed 3.5" SATA2 (2) + 2.5" SATA2 (1)	NA	300W single power

# Tank GT14

B5180G14S3M

Intel Pentium™ 4, Pentium™ D and Core 2 Duo1U Server

▼ TOP View



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

### Enclosure

Industry 19" rack-mountable 1U chassis  
Support 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)

Dimension:

- w/ bezel: D15.5"xW17.2xH1.7 inch (394x436x43.8 mm)
- w/o bezel: D14.4"xW17.2xH1.7 inch (365x436x43.8 mm)

### Processors

Single LGA775 Socket  
Support Intel® Pentium™ 4, Pentium™ D and Core 2 Duo processors: CedarMill / Presler / Conroe Processors  
FSB 533/800/1066

### Chipset

Intel® Q965 (Broadwater) MCH  
- integrates Graphics  
ICH8  
SMSC SCH5027 Super I/O Chip  
SMSC EMC6D103HWM

### Memory

Two 240-pin DDR2 DIMM sockets in dual channels  
Maximum of 4GB DDR2-533/667/800  
Supports for non-ECC memory only

### Expansion Slots

(1) standard height PCI-E card by riser card M2083-RS (default) or (1) standard height PCI-X card by riser card M2061 (optional)

### Back I/O Ports

Stacked PS/2 Mouse & Keyboard ports  
Stacked four USB 2.0 ports  
One 15-pin VGA port  
One 9-pin COM port  
Two side-by-side RJ45 10/100/1000 ports

### Front Panel Features

I/O (2) USB 2.0 ports (On USB PCB)  
Switch PCB:  
LED indicators  
- HDD LED  
- Warning/Fail LED  
- 2x LAN LEDs  
- Power LED  
- ID LED  
Switch  
- Power  
- ID

### Integrated Storage Controller

Support four SATAII ports running at 3Gbps

### Storage

Hard Disk Drives: Support (2) SATAII 3.5" HDDs, (1) SATAII 2.5" HDD

### Networking

Two Intel 82573V GbE LAN controllers  
- Operating at PCI-E x1 from ICH8  
- Two Gigabit LAN ports in total

### Motherboard

TYAN Toledo i965R S5180 system board  
9" x 7.5"

### BIOS

Award 8Mb firmware hub  
Serial Console Redirect

USB boot supported  
Supports APM1.2 and ACPI  
PnP, DMI, power Management  
S0/S4/S5 states supported

### Server Management

SMSC SCH5027 Super I/O Chip  
SMSC EMC6D103 HW monitor  
Thermal & voltage monitor support  
Multiple 4-pin fan monitoring headers  
PECI circuit for "Conroe" and the processor thermal monitoring  
Tyant SMD C M3291, IPMI v2.0 compliant Remote server management kit (option)

### System Cooling

(1) 12V 40\*40\*28 mm FANS  
(2) 12V 40\*40\*56 mm FANS  
Passive CPU heatsink

### Power Supply

EPS 12V, 1U, 300W  
Universal 24-pin, 8-pin power connectors

### Regulatory

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

### Environment

Operating temperature: 5~35  
Non-Operating temperature: -40~70

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