

Performance Sub-1U Platforms



Tank GT14

B5180G14S3M

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

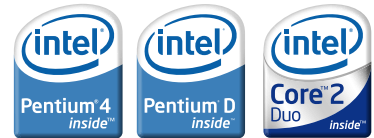
Front View



Back View



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

Option3: fixed (1) 3.5" + (4) 2.5" SATA HDD (w/o PCI-E support)

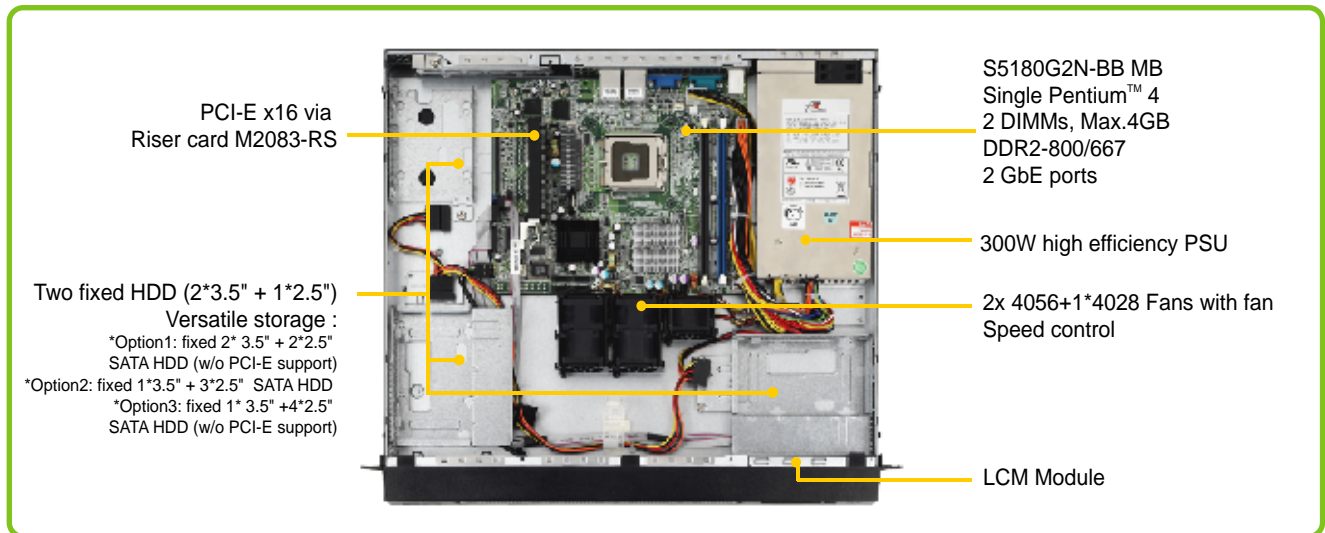
TYAN GT14 (sub-1U), with 300W single power supply

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

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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
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)
- (1) 3.5" HDD + (4) 2.5" HDD (option-without PCI-E support)

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
Tyan SMDC 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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