

Value 1-U Appliance Server Platform



Transport GS12

B5103G12S2

Intel® Pentium™ 4(800/533FSB)/875P



Key Feature

- Intel® Pentium™ 4 (Northwood/ Prescott) Processor
- Up to 4GB DDR 400/333/266 unbuffered, ECC/non-ECC memory
- Dual GbELAN
- Support 2 internal HDD (IDE or SATA with RAID 0, 1)
- ASF2.0 alert over LAN
- 1* 32-bit PCI slots
- 300W ATX PSU w/ PFC
- LCD panel display system status
- Smart fan speed control
- 5° C (41° F) to 35° C (95° F) operating temp
- FCC Class B & CE conformity

Target Usage

- Firewall/VPN Gateway
- Web Hosting
- All-In-One Small Business Server
- Caching Server
- Print Server
- Load Balancing Server
- Streaming Control Server
-and much more!

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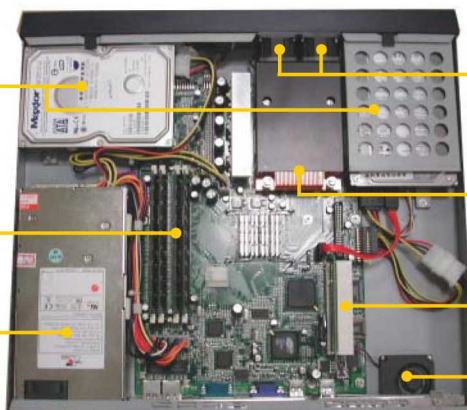
Appliance Server Platform

▼ Internal View

2*3.5" internal HDD bays
(IDE or SATA)

4*DIMM max 4GB,
DDR400/333/266
ECC/non-ECC memory

300W PSU w/PFC



2*system cooling fans

P4 copper heatsink,
supporting up to
3.2GHz CPU

PCI riser card

System cooling blower

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

Enclosure

- Sub-1U rack-mountable chassis
- Support up to 2 hard disk drives
- Form Factor:
 - W16.7 x D15.3 x H1.7 inch
 - ATX 12V Power connector

Processor

- Socket 478 Single Intel® Pentium™ 4 (Northwood Prescott)
- Support FSB 533/800 MHz
- Hyper-Threading support
- On board VRM 10.0

Chipset

- Intel® Canterwood MCH (Turbo Mode support)
- ICH-5R chipset
- SMC LPC47M172 Super IO
- ADI ADT7463 support Hardware monitor

System Memory

- Four 184-pin DIMM sockets
- Dual channel DDR400/333 MHz support
- Support Un-buffered ECC / DDR SDRAM
- Maximum of 4 GB support

Expansion Slots

- 1 * 32-bit/33MHz PCI 2.3 slot

Integrated Hardware Monitoring

- CPU Temperature & Voltage Monitoring
- Automatic fan speed control mode

Integrated PCI Graphics

- ATI® Rage™ XL VGA controller
- 8MB SDRAM on board

IDE

- Support up to 2 IDE HDD Devices (Serial ATA and Ultra ATA/100 connectors)
- Support RAID 0,1

LAN Controller

- Onboard Intel 82547GI CSA 10/100/1000 GbE LAN Controller
- Onboard Intel 82541GI PCI 10/100/1000 GbE LAN Controller
- Wake-on-LAN

BIOS

- Phoenix BIOS on 4Mb Flash ROM
- UCR and PXE(LAN remote boot) Support
- SM BIOS 2.3.1 (backward compatible with DMI 2.0)
- APM 1.2 & ACPI 2.0
- Auto Detection of Memory Size
- Display of HW Monitoring
- Event Log support (DMI mode)

- Multiple Boot Options
- Power Management: S1, S5

External I/O

- One 9-pin UART serial support
- Four USB 2.0 ports (2xFront; 2xRear)
- Two RJ45 connectors

Power Supply

- 300W ATX PSU, with PFC

NOS support

- Windows 2000 Server, XP, 2003
- Red Hat 9.0
- Suse 8.1
- FreeBSD 4.6.2

Server Management

- ASF 2.0 Alert over LAN

Environmental Requirement

- Operating Temperature: 5°C to 35°C
- Operating Relative Humidity: 0% to 80%

Regulation

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

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