

High Performance High Density Server



Transport GT24

B3992 with Dual AMD Opteron™ 2000



▼ Front View



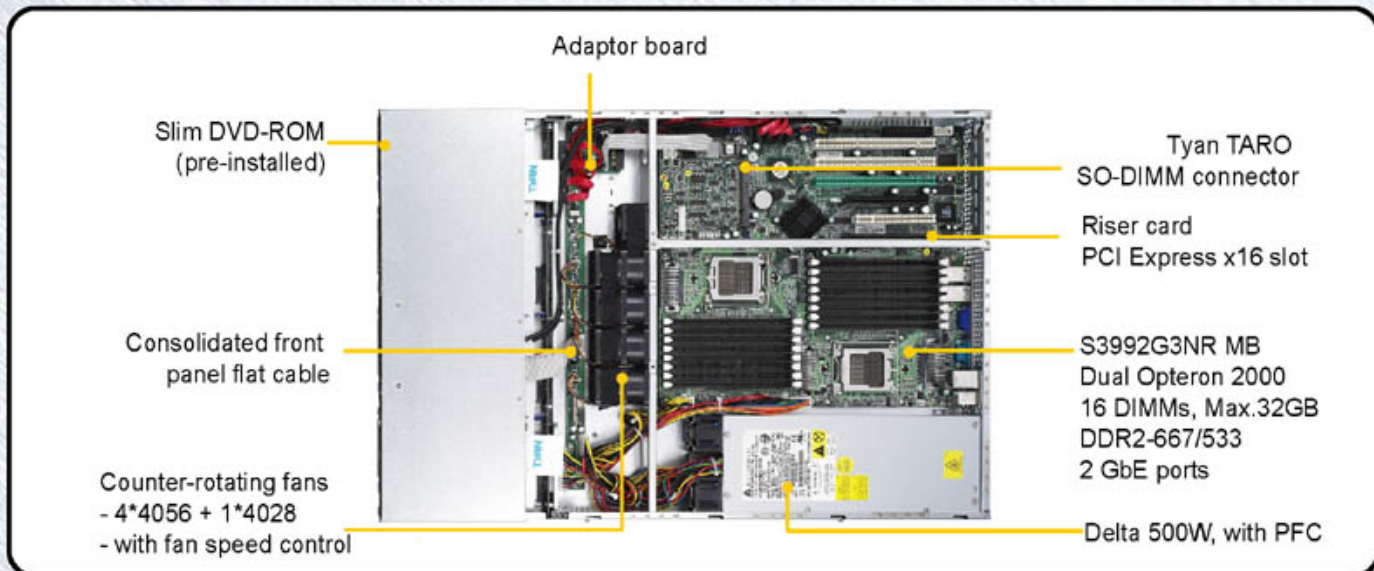
▼ Back View



Key Feature

- Support dual AMD Opteron 2000 series processors(1207-pin socket)
- Broadcom BCM5780/5785 (Serverworks HT-2000/1000) chipset
- Sixteen (16) DIMMs, supporting max. 32GB registered, ECC/non-ECC DDR2-667/533 memory
- Two (2) gigabit Ethernet LANs, from Broadcom BCM5785
- One (1) 10/100Mb LAN (Intel 82551QM controller)
- One (1) x16 PCI-E slot (with x8 bandwidth)
- One (1) TYAN TARO SO-DIMM connector
- Four (4) hot-swappable SATA HDD bay support, with RAID 0, 1, 5 and 10
- Delta 500W power supply
- Models:

Model Number	HDD bay (No. of HDD)	Storage Backplane	System Board
B3992G24V4H	Hotswappable (4)	4-ports SAS/SATA	S3992G3NR



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 ODD bay
- Dimension: D 25.4 x W 17.17 x H 1.71 inch (645x436x43.6mm)

Processors

- Dual μ PGA 1207-pin ZIF sockets
- Supports one or two AMDR Opteron™ 2000 sequence processors (2XXX series and 2XXX HE series)

Chipset

- Broadcom BCM5780 (HT2000)
- BCM5785(HT1000) chipset
- National PC87417 Super I/O chip

Memory

- 128-bit dual channel memory bus.
- Total sixteen (16) 240-pin 1.8-Volt DDRII DIMM sockets 8 on CPU1 and 8 on CPU2.
- Supports up to 32GB DDR II 667MHz Registered, ECC module supported

Expansion Slots

- One(1) PCI-E x16 slot (with x8 signal)
- One (1) Tyan TARO™ SO-DIMM socket

Back I/O Ports

- One Keyboard & One PS/2 Mouse ports
- Two USB 2.0 ports
- One 15-pin VGA port
- Two 10/100/1000 RJ-45 LAN ports
- One 10/100 RJ-45 LAN port

Front Panel Features

- I/O
 - (2) USB 2.0 ports
 - LED indicators
 - Power LED
 - (2) LAN LEDs
 - HDD Active LED
 - Warning LED
 - ID LED
- Switch
 - Power
 - NMI
 - Reset
 - ID

Networking

- Dual GbE LAN (from BCM5780)
- One Intel i82551QM fast Ethernet controller

Video

- ATI® ES1000 controller, with 32MB DDR Frame Buffer

Integrated Storage Controller

- Support RAID 0, 1, 5, 10

Storage Backplane

- One (1) 4-port SAS/SATA backplane, supporting up to 4 SAS/SATA HDDs

Motherboard

- TYAN Thunder h2000M S3992G3NR
- Extended ATX footprint (13" x 12")

BIOS

- AMI BIOS on 8Mbit LPC Flash ROM
- ACPI 2.0 and SRAT support
- PXE via Ethernet, USB device boot
- SMBIOS 2.3.1, BBS 1.1 compliant
- Headless Operation via serial console redirect
- 48-bit LBA Support

Server Management

- Automatic fan speed control
- Support Tyan Server Management(TSM)
- Optional TYAN SMDM M3291, IPMI v2.0 compliant remote server management kit

Power Supply

- EPS 12V, 1U, 500W with PFC
- 100V~240V AC input

Regulatory

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

Environment Temperature

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

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