

TYAN

RedLinX™

www.tyan.com

Performance 2U High-Density Server Platform

Dual Core
Support



Transport TA26

B3992
with Dual AMD Opteron™ 2000 series



Key Feature

2U, Dual Opteron (rev.F), 16 memory DIMMs, SAS Ready

- Support dual AMD Opteron 2000series (1207-pin socket)
- Broadcom BCM5780/BCM5785 (Serverworks HT-2000/1000)
- Sixteen (16) DIMMs, supporting max. 32GB registered, ECC/non-ECC DDR-2 667/533
- Three (3) LANs: 2*GbE + 1*Fast (Intel 82551QM)
- Total 6 usable slots, supporting low profile add-in expansion cards
 - (3) PCI-X: 2*133MHz+1*100MHz
 - (2) PCI-E: both x8 signal, x16 slots
 - (1) PCI
- Support up to eight (8) hot-swappable HDDs with pre-installed 8-port SAS/SATA backplane
 - Only 4 SATA ports natively supported by the motherboard.
*Optional 3rd Party SAS/SATA add-in card (or TYAN TARO card) are required to support 5 or more HDDs
- One (1) slim DVD-ROM drive

▼ Front View



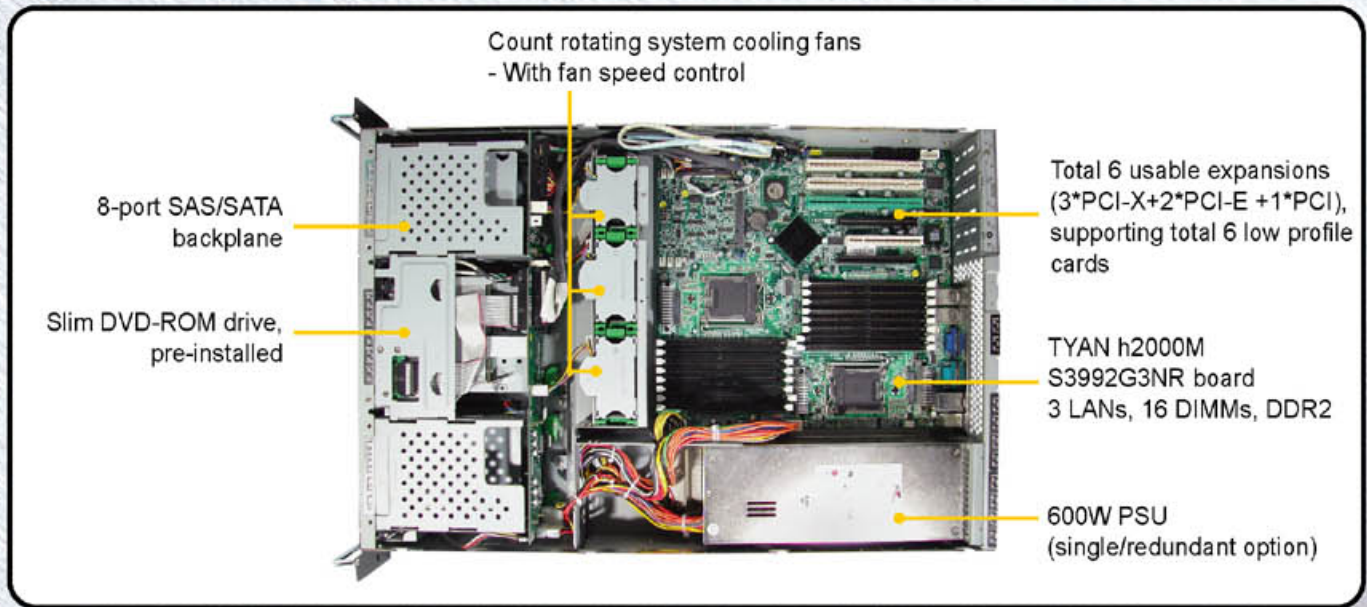
▼ Back View



Transport TA26

B3992
Dual AMD® Opteron™

▼TOP View



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

Enclosure

- Industry 2U rack-mountable chassis
- Storage bay
 - (8) 3.5" HDD bays
 - (1) slim line ODD bay
- Dimension: D 26x W 17 x H 3.5 inch (660x432x88mm)

Motherboard

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

Processors

- Dual uPGA 1207-pin ZIF sockets
- Supports one or two AMD Opteron™ 2000 Series processors

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 of registered DDR II 667MHz
- Supports ECC type memory module.

Video

- ATI ES1000 controller
- 32MB DDR Frame Buffer

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

Expansion Slots

- Two (2) PCI Express x16 slots (each w/ x8 signal)
- Two (2) PCI-X 133/100MHz slots
- One (1) PCI-X 100MHz slot
- One (1) PCI 32-bit 33MHz, v2.3 compliant slot
- Supports a total of (6) low profile cards.
- One (1) Tyan "TARO" SO-DIMM socket

Back I/O Ports

- One Keyboard & One PS/2 Mouse ports
- Two USB 2.0 ports
- One 9-pin COM port
- 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
- Switch
 - Power
 - Reset

Storage Controller

- Support RAID 0, 1, 5, 10

Storage Backplane

- One (1) 8-port SAS backplane, supporting up to 8 SAS HDDs or SATA HDDs
(Option: TYAN's TARO card M9000 or 3rd party add-on card to support 8 SAS or SATA HDDs.)

Networking

- Dual GbE LAN (from BCM5780)
 - Embedded in BCM5780
 - Two 10/100/1000 RJ-45 LAN ports w/ LED
- One Intel i82551QM fast Ethernet controller
 - One 10/100 RJ-45 LAN port w/ LED
 - Operating on 32bit/33MHz PCI bus

Server Management

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

Power Supply

- EPS 12V, 2U, 600W with PFC for B3992T26V8H
- EPS 12V, 2U, 600W 1+1 redundant power with PFC for B3992T26V8HR

Regulatory

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

Model #	No. of HDD supported	Backplane	Power Supply
B3992T26V8H	8	8-port SAS/SATA	Single 600W
B3992T26V8HR	8	8-port SAS/SATA	600W(1+1) redundant

TYAN COMPUTER CORP.

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

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

Tyan Computer Germany
Tel: +49-8136-9395-30
Fax: +49-8136-9395-44

Tyan Computer UK
Tel: +44-1256-397030
Fax: +44-7836-6800-23

Tyan Computer China
Tel: +86-10-6255-5015
Fax: +86-10-8261-8204

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