



## Purpose-Designed for HPC & Cluster Application



### Transport TX46

B4882T46U2H  
Quad AMD Opteron™



#### Key Feature

- Industry 2U rack-mountable chassis
- Support up to four 8th generation 64-bit AMD Opteron™ 800 series processor
- Support up to 2 Hot-Swappable SCSI HDD bays
- 16 DIMMs, supporting up to 32GB ECC, registered DDR400/333/266 memory capacity
- Two gigabit Ethernet LAN interfaces
- Total (5) PCI/PCI-X expansion slots, supporting (2) 133/100MHz PCI-X, (2) 100/66MHz PCI-X and (1) 32-bit PCI low-profile cards
- Support slim type CD-ROM & FDD bays
- EPS 2U 700W power supply with PFC

#### Target Usage

Compute-intensive applications and memory-bound applications:

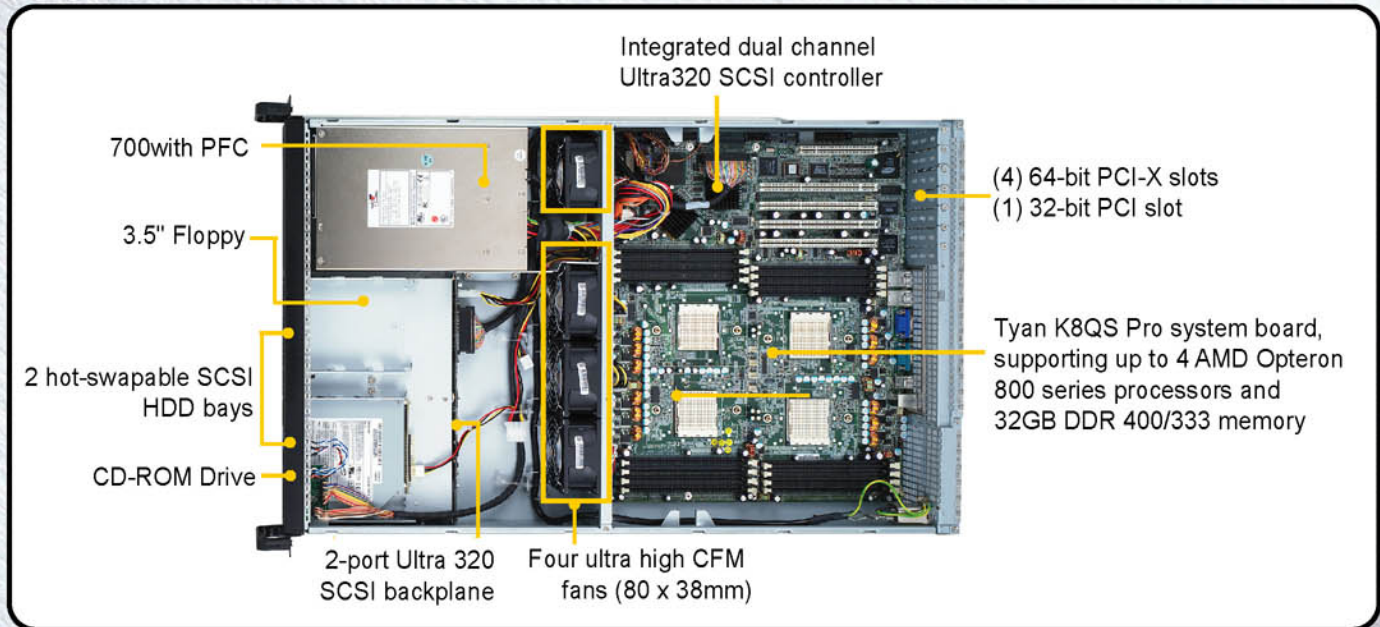
- Electronic design automation (EDA)
- Scientific modeling/simulation
- Financial modeling
- On-line transaction processing
- Video rendering
- Database application



# Transport TX46

Quad Opteron  
HPC & Cluster Computing

▼ TOP View



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

### Processor

- Support up to four AMD Opteron™ 800 series processor
- Integrated 128-bit DDR Memory Controller

### Memory

- Total sixteen 184-pin 2.5V DDR DIMM sockets. (4 on each CPU)
- Support up to 32 GB Registered DDR
- Support PC1600, PC2100, PC2700 & PC3200

### Expansion Slots

- Two 64-bit 133/100/66 MHz (3.3V) PCI-X slots.
- Two 64-bit 66/33 MHz (3.3V) PCI-X
- One legacy 32-bit 33MHz (5V) PCI
- Total five low profile slots.

### Integrated I/O port

- Two USB 2.0 connector in rear panel
- Two USB 1.1 connector in front panel
- One 9-pin Serial port

### Networking

- (2) Gigabit Ethernet ports (Broadcom BCM5704C dual-channel GbE LAN controller connected to PCI-X bridge), with teaming feature support

### Video

- ATI® Rage™ XL PCI graphics controller
- 8MB Frame Buffer of video memory

### BIOS

- Phoenix BIOS with 4Mbit LPC Flash ROM

### System Cooling

- 4 x 80\*38mm DC Fan
- 4 active CPU coolers

### Device Bay

- Two SCSI hot swappable 80 pin HDD bays, LSI 53C1030 Ultra 320.
- Slim CD-ROM IDE interface
- Slim 3.5" 1.44MB FDD

### Intelligent Platform Management

- Optional Tyan Server Management Daughter card.

### Motherboard

- TYAN Thunder K8QS Pro S4882 Quad AMD Opteron system board
- SSI EEB (13" x 16")

### Operating Temperature

- 0~35 Degree C

### Server Management

- Optional Tyan SMDC (remote server management kit), IPMI 1.5 compliant
- System fan speed control
- Chassis intrusion alert

### Chassis

- 2U Rackmount
- Dimensions (H)\*(W)\*(D) = 3.5"\*17.25"\*28" (89\*436\*713mm)

### Power Supply

- Single 2U 700W A/C power supply w/PFC.
- Voltage: 90~264 VAC full range

### Regulatory

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

### Watchdog timer

### USB boot support

### Support PXE via Ethernet

### ACPI 2.0 & 1.0B support.

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