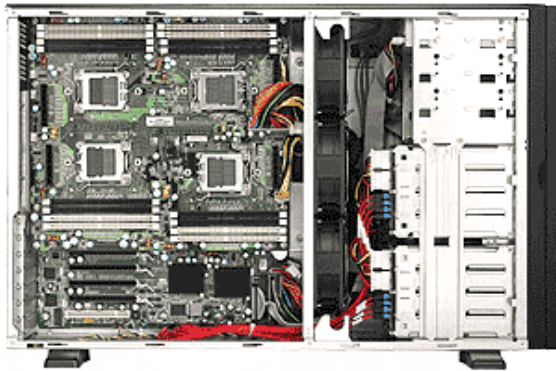


ThinkTank Q Server - 5U X32-F

8-Way Multi-Purpose Server Featuring AMD 8000 Series Opteron™ Processors (Quad Core)



- Supports Up to 8 AMD rev. F Opteron™ 8000 Series
- 5U Rack/Tower Convertible Chassis, with 1140W (2+1) for 4-Way & 1620W (3+1) Redundant Power Supply for 8-Way Model
- 16 DDR2 DIMMs for 4-Way and 32 for 8-Way Model;
- Support Up to 128GB DDR2 667/533/400 Memory (8-Way)
- Three (3) GbE (2* Marvell 88E1111GbE PHY + 1* Intel 82541PI GbE Controller)
- Eight (8) Hot-swap SATA2 HDD Bays Support, with RAID 0, 1, 0+1, 5 (SAS Ready Backplane)
- Nvidia nForce Pro 2200/2050
- Two (2) PCI-E x 16 + Two (2) PCI-E x4 (x16 Slots) + One (1) PCI

Specifications

Chassis / Enclosure

- 5U Convertible Pedestal/rack-mount chassis

Storage

- (3) 5.25" device bays (Pre-installed one Standard DVD-ROM)
- (1) Slim optical drive bay
- (1) Standard FDD (Pre-installed)
- (4) Hot-swap SAS/SATA HDD bays
- (4) Internal HDD bays (hot-swap bays upgradable)

Dimension

- Dimension: 26.8(D) x 16.7(W) x 8.7(H) Inch
- Dimension (mm): 425(W) x 680(D) x 220 H

Processors

- Supports four or eight AMD Opteron™ (Dual/Quad Core)
- Socket F (1207) 8000 Series Processors

Chipset

- Nvidia nForce4 Professional 2200 (CK804pro)
- Nvidia nForce4 Professional 2050 (I04)
- Winbond W8362HF Super I/O
- ADT746 Hardware monitor IC

Memory

- Sixteen DDR2 DIMM sockets on S4985
- Sixteen DDR2 DIMM sockets on M4985
- Supports up to 128GB of Registered, ECC DDR2 667/533/400 four banks memory module

Expansion Slots

- Two x16 PCI Express slot with x16 signal
- Two x16 PCI Express slot with x4 signal
- One 32-bit 33MHz PCI v2.3 slot
- Three RJ45 10/100/1000 Base-T port with activity LED
- Two USB 2.0 ports
- One 9-pin UART Serial port
- One 15-pin VGA port

Front Panel Features

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

Onboard Storage Controller

- Four (4) integrated dual port SATA controllers (two from CK804pro & two from I04)
- Supports up to eight SATA drives
- Supporting 3Gb/s per port, 1.5Gb/s per direction per channel
- Support RAID 0, 1, 0+1, 5.

Networking

- (3) Gigabit Ethernet ports - (2) Marvell 88e1111 GbE
- (1) Intel 82541PI GbE

Video

- XGI - XG20 PCI graphics controller
- 16MB DDR memory

BIOS

- Phoenix 8Mbit LPC Flash ROM
- USB device boot
- Serial Console Redirect
- ACPI 2.0 power management support

Server Management

- Automatic fan speed control
- Support TYAN Server Management(TSM)
- IPMI v2.0 compliant
- Remote server management kit (Option)

Power Supply

- 1140W to 1620W, optional redundant module
- 1140W for 4P (2+1 redundant with 1 Dummy module)
- 1620W for 8P (3+1 redundant)

System Cooling

- (3) 120x120x38mm cooling Fans
- (4) Active CPU coolers for S4985
- (4) Active CPU coolers for M4985

Regulatory

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

Environment

- Operating: 5°C - 35°C
- Non-Operating: -40°C - 70°C

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