

High Performance High Density Computing



Tank GT24

B5397G24V4H / B5397G24W4H/ B5397G24W4HR



Key Feature

Front View



Back View



1U HPC platform with Intel® Xeon® Quad-Core/ Dual-Core 5100/5200/5300/5400 series processors

Dual LGA 771-pin sockets support up to (2) Intel® Xeon® Quad-Core/
Dual-Core 5100/ 5200/ 5300/ 5400 series processors

Support FSB 1600/ 1333/ 1066MHz

Intel® 5400B MCH

Intel® 6321ESB South Bridge

(16) 240-pin FB-DIMM slots support up to 128GB FBD 800/667/533
memory

(1) Full-Height/ Full-Length PCI-E x16 slot (via M2083-RS)

(4) SAS HDDs w/ RAID 0, 1, 1E support (B5397G24W4H/
B5397G24W4HR)

(4) SATA-II HDDs w/ RAID 0, 1, 5, 10 support

(2) GbE LAN

(1) EPS1U 600W PSU w/ PFC (B5397G24V4H/ B5397G24W4H)

(1+1) ERP1U 650W PSU w/ PFC (B5397G24W4HR)

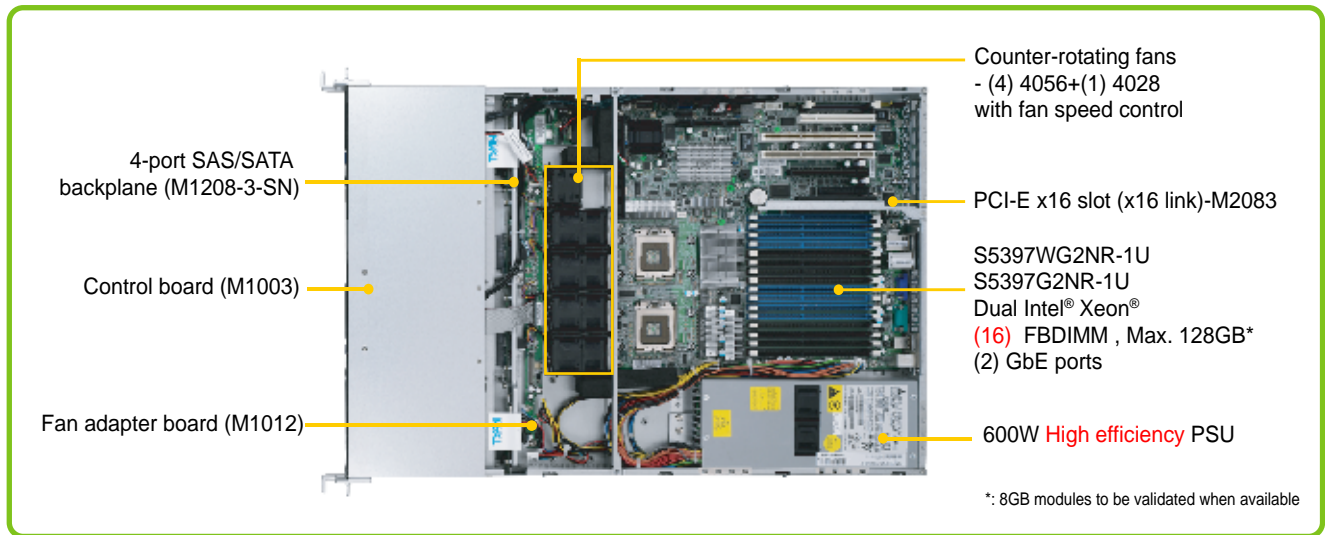
(1) OPMA slot for optional TYAN M3295-2/ M3296 SMD C support

Model Number	HDD Bay (No.)	Backplane	Power Supply
B5397G24V4H	(4) Hot-swap SATA-II	4-port SAS/ SATA	600W PSU
B5397G24W4H	(4) Hot-swap SAS	4-port SAS/ SATA	600W PSU
B5397G24W4HR	(4) Hot-swap SAS	4-port SAS/ SATA	(1+1) 650W RPSU

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▼ TOP View



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

Enclosure

- Industry standard 19" rack-mountable 1U chassis
- (1) slim DVD-ROM bay
- (4) 3.5" hot-swap HDD bays
- Dimension
- H1.72" x W17.2" x D25.4"
- H43.6mm x W436mm x D645mm

Processors

- Dual LGA771 sockets
- Support up to (2) Intel® Xeon® Quad-Core/ Dual-Core 5100/5200/5300/5400 series processors
- Support FSB 1600/ 1333/ 1066MHz

Chipset

- Intel® 5400B MCH
- Intel® 6321ESB South Bridge
- Winbond 83627HF Super I/O chip

Memory

- Quad-channel memory bus
- (16) 240-pin FB-DIMM slots
- Support up to 128GB FBD 800/667/533 memory

Expansion Slots

- (1) PCI-E x16 slot (via M2083-RS)
- (1) OPMA connector for TYAN® SMDC

Integrated 2D / 3D PCI Graphics

- XGI Voralj™ Z9s graphic controller
- PCI interface
- 32MB DDR2 video frame buffer memory

Server Management

- Optional TYAN® M3295-2/ M3296 SMDC
- IPMI v2.0 compliant

BIOS

- Phoenix BIOS® on 8Mbit Flash ROM

- Support APM 1.2, ACPI 1.0b
- Serial Console Redirect
- PXE via Ethernet, USB device boot
- PnP, DMI 2.0, WfM 2.0 Power Management
- User-configurable H/W monitoring
- Auto-configuration of hard disk types
- Multiple boot options
- 48-bit LBA support

Integrated LAN Controllers

- Intel® 82563EB dual-port GbE PHY
- (2) 10/100/1000 LAN ports

Motherboard

- B5397G24V4H
- TYAN® S5397G2NR-1U
- B5397G24W4H/ B5397G24W4HR
- TYAN® S5397WG2NR-1U

Power Supply

- EPS1U 600W PSU w/ PFC (B5397G24V4H/ B5397G24W4H)
- ERP1U 650W PSU w/ PFC (B5397G24W4HR)
- 100V~240V full-range AC input

Rear Panel I/O Ports

- (1) stacked PS/2 connectors for mouse and keyboard
- (1) stacked 2-port USB 2.0 and 1-port RJ-45 connectors (dedicated for IPMI)
- (1) DB-9 serial port
- (1) D-sub VGA port
- (2) side-by-side RJ-45 connectors

Front Panel Features

- I/O
- (2) USB 2.0 ports
- LED indicators
- Power LED
- (2) LAN LEDs

- Counter-rotating fans
- (4) 4056+(1) 4028 with fan speed control

- PCI-E x16 slot (x16 link)-M2083

- S5397WG2NR-1U
- S5397G2NR-1U
- Dual Intel® Xeon®
- (16) FBDIMM , Max. 128GB*
- (2) GbE ports

- 600W High efficiency PSU

*: 8GB modules to be validated when available

- HDD Active LEDs
- ID LED
- Warning LED
- Switches
- Power
- Reset
- ID
- NMI

Storage

- B5397G24V4H
- Integrated SATA-II controller in 6321ESB
- (4) hot-swap SATA-II HDDs w/ RAID 0, 1, 5, 10 support
- B5397G24W4H/ B5397G24W4HR
- Integrated LSI SAS1068E 8-port SAS controller
- (4) hot-swap SATA-II HDDs w/ RAID 0, 1, 1E support
- Pre-installed slim type DVD-ROM for all SKUs

System Cooling

- (4) 4056 + (1) 4028 14,800rpm heavy-duty fans with fan speed monitor and control
- (2) Passive CPU Heatsink

Environment Temperature

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

Regulatory

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

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