

Performance Sub-1U Platforms



Transport GT14

B2933G14S2M
Dual AMD Optron™ 2000 series nVidia NFP3600



Front View



Back View



Key Feature

Dual Optron™ 2000, 32GB DDR2, 2GbE, PCI-E, 2 SATA2 HDDs

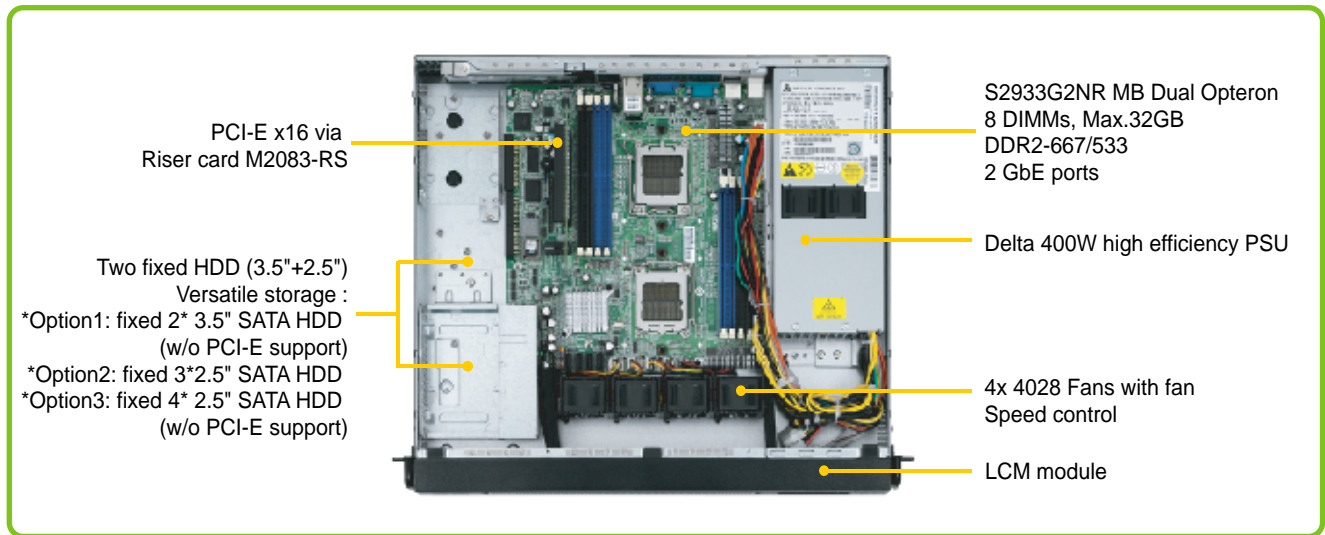
- Supports two AMD Optron™ 2000 CPUs
- nVIDIA® NFP3600
- (8) DDR2 DIMMs. Supporting max. 32GB Register ECC DDR2-667/533/400
- (2) GbE (with Marvell 88E11116 PHY)
- (1) x16 PCI-E with riser card (M2083-RS)
- Two fixed SATA HDD (1*3.5" + 1*2.5")
 - Option1: fixed 2*3.5" SATA HDD (w/o PCI-E support)
 - Option2: fixed 3*2.5" SATA HDD
 - Option3: fixed 4*2.5" SATA HDD (w/o PCI-E support)
- TYAN GT14, with Delta 400W high efficiency power supply

Model #	No. of HDD supported	Storage Backplane	Power Supply
B2933G14S2M	Fixed 1*3.5" + 1*2.5" SATA2	NA	400W single power

Transport GT14

B2933G14S2M
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▼ TOP View



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

Enclosure

Industry 19" rack-mountable 1U chassis
Support following HDD combination:
- (1) 3.5" HDD+(1) 2.5" HDD
- (2) 3.5" HDD (without PCIE support)
- (3) 2.5" HDD (Option)
- (4) 2.5" HDD (without PCIE support) (option)
Dimension:
- With Bezel: D15.5xW17.2x H 1.7 inch (394x436x43.8mm)
- Without Bezel: D14.4xW17.2x H 1.7 inch (365x436x43.8mm)

Processors

Dual 1207-pin ZIF sockets
Supports up to 2 AMD F Opteron™ 2000 series processors
Up to 1.0GHz Hyper-Transport link support

Chipset

nVIDIA® NFP3600 chipset
SMSC SCH5017

Memory

Dual memory channels
Supports up to eight(4+4) DDR2 667/533/400 DIMMS
Up to 32 GB of registered, ECC/None ECC, memory

Expansion Slots

One x16 PCI Express slot with x16 signal.

Back I/O Ports

Stacked PS/2 Mouse & Keyboard ports
Stacked two USB 2.0 ports
One 9-pin COM ports
One 15-pin VGA port
Two LAN ports

Front Panel Features

I/O: (2) USB 2.0 ports
LED indicators
Power LED, (2) LAN LED, ID LED, HDD active LED, warning LED
Switch
- Power
- ID

Integrated Serial ATA II

Supports up to 4 Serial ATA ports running at 3.0Gb/s
Serial ATA II specification compliant
nVidia Media Shield™ RAID supports for RAID 0, 1, 0+1, 5, JBOD

Storage Drives

Hard Disk Drives:
- (1) 3.5" HDD+(1) 2.5" HDD
- (2) 3.5" HDD (without PCIE support)
- (3) 2.5" HDD (Option)
- (4) 2.5" HDD (without PCIE support) (option)

Networking

Two NFP3600 integrated MAC with 2 Marvell 88E1116 port Gigabit Ethernet PHY
Integrated TCP offload Engine (TOE)
IEEE802.3 compliant, WOL/PXE support
Pin header for front panel LAN LED

Video

XGI VolariZ7 (XG20)
16MB frame buffer Memory

Motherboard

TYAN S2933G2NR
10.4x9.4 inch (265mm*240mm) for GT14 1U chassis
8 layers PCB

BIOS

AMI BIOS on 8Mbit LPC Flash ROM
Serial Console Redirect
USB boot supported
ACPI 2.0 supported
PnP, DMI2.0, WfM2.0 power management

System Management

SMSC SCH5017 w/ 2xEMC6D103 8x4pin system fan headers with tachometer input and auto fan control
Temperature and voltage monitoring
Watch dog timer
Port 80 code display LED

Server Management

TYAN M3291, IPMI 2.0 (2*25pin) Remote system Mgmt card
Renesas H8S2167 BMC controller
BT, KCS, Logging support
IPMI-over-LAN
Remote power on/off and reset
Support TSM and LCM Module.

System Cooling

(4)*4028 Fans.
(1)*Passive CPU heatsink

Power Supply

EPS 400W, 1U, 12V
(24pin+8pin+4pin) power connectors

Regulatory

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

Environment

Operating: 5~35
Non-Operating: -40~70

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