

NEC



**Outstanding
Flexibility**



**Complete System
Configurability**



**Latest in High
Performance
Rack Computing**



NEC SA2500R-1

- AMD® Opteron™ DualCore Processors
- NVidia® nForce™ Pro Chipset
- Hyper Transport 1GHz Bus
- Up to 16GB DDR-400 ECC SDRAM
- Up to 4 HotSwap SATA-2 HDDs
- Integrated Dual Gigabit Ethernet
- Integrated SATA-2 RAID 0 & 1
- PCI-EXPRESS X16 Slot
- Optional nVidia® Quadro FX Graphic Cards
- Optimized 1U Rack Chassis

**THE HIGH
PERFORMANCE
OPTERON™
DUALCORE
1U RACK SERVER**

www.nec-computers.com

NEC SA2500R-1

The High Performance Opteron™ DualCore 1U Rack Server

CHASSIS

Form Factor 1U Rack

CPUs & CHIPSET

Number of CPUs 2
 CPUs AMD® Opteron™
 AMD® Opteron™ DualCore
 Integrated Cache L2 up to 2x 1MB ECC
 Socket 940-pin Socket
 HyperTransport Bus
 (FSB) (MHz) 1000MHz

ARCHITECTURE

Chipset nVidia® nForce™ Pro 2200
 BIOS Phoenix BIOS
 AMD® 8131 Hypertransport
 PCI-X Hub

MEMORY

Maximum 16GB
 Type DDR 333/400 ECC SDRAM
 Slots 8 DIMM

CONTROLLERS

Integrated PATA
 Controller 2x PATA133
 Integrated SATA-2
 Controller 4x SATA-2 + RAID
 (0,1,0+1)
 Optional RAID Cards
 (a) RAID SATA

MEDIA & STORAGE

Floppy Disk Drive Optional Slim 1.44MB
 Optical Disk Drive Slim CD / DVD / Combo
 SATA-2 7200 rpm HDDs 80/ 160/ 250/ 500GB*
 Max. Internal Storage
 Capacity 2.0TB SATA-2 (4x 500GB)*

MEDIA BAYS

3.5" Media Bays 4 / 4 (Total / Free)
 5.25" Media Bays 0 / 0 (Total / Free)
 3.5" HotSwap HDD
 Bays 4x 3,5" HotSwap

PCI SLOTS

Total Slots 1x PCI-EXPRESS X16
 (Full Height / Half Length)
 1x PCI-X 64-bit 100MHz
 (3.3V, Low Profile)

VIDEO

Video Controller ATI® RAGE™ XL PCI
 Video Memory / Type 8MB Frame Buffer

NETWORKING

Integrated Ethernet
 Controller 2x 1000Mbps
 Broadcom BCM5704
 Compatible PXE

SECURITY

2 Level Password Yes

I/O PORTS

USB Ports 4x USB2 (2 Front, 2 Rear)
 Serial Port 1x DB9
 Keyboard / Mouse Port 2
 Video Port 1x 15-pin VGA Connector
 Port Ethernet 2x RJ 45
 Remote Management Optional IPMI 1.5
 Management Card
 Remote Power On/Off
 (IPMI over Lan)

POWER SUPPLY

Fixed PSU Option 1x 500W Active PFC
 (110/220V)

VENTILATION

Specification 5x System Fans 40 x 28 mm
 2x Integrated Power Supply
 Fans

PHYSICAL SPECIFICATIONS

Dimensions (HxWxD) 43(H) x 440(W) x 660(D)mm
 Weight 11-15 kg
 Environmental 10 à 35° C, 20 à 80% HR

OS & SOFTWARE

Administration Software
 (SNMP) Yes - ESMPRO Agents
 Install & Configuration
 SW ExpressBuilder
 Software Certifications Windows Server 2003
 Windows XP Professional*
 Red Hat Linux 3.0/4.0*
 Mandrake 10.1 / CS.3.0
 SuSE*

WARRANTY

Warranty Extensions 3 years on-site NBD
 4 hour response, 8x5
 4 hour response, 24x7
 Value Added Services On-site Installations

REGULATORY & SAFETY

Regulatory Compliance CE Mark

RECOMMENDED UPS

SU 1500 Optional
 (a) : Optional; * : Check availability

The Latest in High Performance Rack Computing

Based on the latest AMD® Opteron™ 200 series, the NEC SA2500R-1 server is the ideal solution for organisations running high performance and intensive applications. Able to be configured with up to 2 AMD® Opteron™ processors, supporting AMD® DualCore technology and working on a 1GHz Hyper Transport bus, it fully satisfies the needs of IT professional using power hungry applications.

Outstanding Flexibility

The NEC SA2500R-1 can be configured with up to 16GB of DDR400/333 ECC SDRAM and equally offers generous storage capacity with the possibility of configuring up to 4 hotSwap HDDs, with or without RAID, in Serial ATA-2 (of up to 2.0TB*). With 2 PCI slots available, of which one is a PCI-EXPRESS X16 for graphic card support or high performance network cards, the NEC SA2500R-1 offers multiple expansion possibilities.

Complete System Configurability

To facilitate installation and system management, all NEC SA2500R-1 servers are delivered standard with the ExpressBuilder installation and configuration software. Equally, the NEC SA2500R-1 servers allow for easy mass deployment with the possible preinstallation of the Microsoft Windows Server 2003 operating system.

