



NEC SI2520



High Performance

**Reliability
and comfort**

Manageability

The Flexible Workgroup Server

- Designed for increasingly changing environments, such as public bodies (health, research, administrations), corporate and large organizations with distributed IT.
- Perfectly suited for infrastructure servers, workgroup and collaborative suites, applications with local Database / E-mail and File / printing servers.
- Performance, modularity and simplicity for the most demanding applications.

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IT SERVICES AND SOFTWARE

MOBILE/BROADBAND NETWORKING

COMPUTERS

SEMICONDUCTORS

IMAGING AND DISPLAYS

Empowered by Innovation

NEC

Product Highlights

High Performance with the latest technology

- Supports Intel® Xeon® **45nm Dual/Quad core** processors (5500 Series)
- Maximum **memory capacity** up to **32GB DDR3 1066Mhz**
- Extended **storage capacity** up to **8 disks SAS 2.5"** (maximum 4 disks 3.5")
- **New ultra-efficient RAID controller** (128 or 256MB cache with optional battery backup unit) supporting RAID packs 0,1,10,5,6

Reliability and Comfort for growing businesses

- Fixed or redundant power supply
- Large choice of backup solution (LTO, DAT)

Manageability for easy installation, deployment, operations

- Integrated server management controller (**IPMI 2.0**)
- Optional Advanced Remote Management Card with **KVM over IP and Remote Media features**
- **NEC System Area Manager** and **ExpressBuilder**, Remote management solution and installation / configuration support tool

DESIGN	Form Factor Tower Optional 5U Rack Mount Kit
PROCESSORS	Quad-Core Intel® Xeon® Processor 5500 series (E5504, E5506, E5520, E5530, E5540) Dual-Core Intel® Xeon® Processor (E5502) 2nd Cache 4MB or 8MB No. of CPU 2 (max)
ARCHITECTURE	Intel® EM64T Supported Chipset Intel® 5500 + ICH10R Bus Speed Quick Path Interconnect (Up to 5.86GT/s)
MÉMOIRE	Type DDR3-1066 Unbuffered/Registered ECC, channel Mirroring, Demand & Patrol Scrub, Lockstep channel Min 2GB (2GB x1) Max 32GB (4GB x8) (two processors mandatory) (*2) 16GB with one processor (*2) Slots 8 DIMM
STORAGE DEVICES	I/F SATA2 / SAS Max capacity SATA2 : 4TB (1TB x4) 7,2 Krpm 3.5" SAS : 1.8TB (450GB x4) 15Krpm 3.5" 2.4TB (300GBx8) 10Krpm 2.5" RAID SATA2 : On-board : 4 Ports w/RAID 0, 1 Optional RAID 5 key SAS/SATA2 : Optional LSI Megaraid 8708EM2 8-ch RAID Controller (128/256MB cache) supporting RAID 0,1,5,6,10 and optional Battery Backup Unit HotSwap Supported (standard)
MEDIA	FDD Optional : External 1.44MB USB FDD ODD DVD RW
BAIES	Device Bays 5.25" x3 Max Disk Drive Bays : 8 [2.5"] / 4 [3.5"]

I / O SLOTS	Total : 5 slots (Short Length / Full Height) PCI EXPRESS™ x8 2.0 : 2 PCI EXPRESS™ x4 2.0 : 1 (x8 slot) PCI EXPRESS™ x1 1.0 : 1 (x4 slot) 32bit/33MHz PCI : 1 (3.3V & 5V)
VIDEO	Integrated Video Memory 64MB
NETWORK	Embedded Dual Gigabit Ethernet w/ WOL (1000BASE-T x 2)
I / O PORTS	USB2.0 x6 (2x Front + 4x Rear), Serial x1, SVGA Video x1, LAN x2
POWER SUPPLY	PSU 80+ Standard : 1, Fixed or Hot-Swap Optional : Redundant PSU (1+1) Average Power Consumption : 294W (*1) Average Dissipation : 1004 BTU/per hour
COOLING FAN	Fixed x3
MANAGEMENT	Standard : Integrated Server Management IPMI 2.0 Optional : enhanced management card with KVM over IP / Remote Media Administration Software : NEC System Area Manager Configuration Software : ExpressBuilder
SECURITY	2 level Passwords : Yes Front Door : Yes
PHYSICAL SPECIFICATIONS	Dimensions : 205W x 599D x 450H (mm) Weight : 20kg (standard), 28kg (max)
CERTIFIED OS	Windows Server™ 2008 (x64, x86)
ADDITIONAL SUPPORTED OS	Windows Server™ 2003 R2 SP2 (x64, x86) Red Hat® Linux™ EL 4.x/5.x (*) Novell Suse SLES 10 SP2 (*)
WARRANTY	Standard Warranty : 3 years on-site Warranty Extensions : 4 hour Response 8x5 or 24X7 6 hour Repair 8x5 Time Commitment

* Check web site : <http://linux.nec-computers.com> to get latest test reports
(*1) Configuration : 2x E5520, 6GB of memory, 4x 146GB, PSU fixe, RAID controller
(*2) Check with your reseller availability date