



NEC EXPRESS5800/120Lj

The Powerful Departmental Server

For an adaptable infrastructure that evolves at the same pace as your company

Outstanding Performances

Reliability and Comfort

Full Remote Manageability

- Designed for remote branch offices, mid size companies and workgroups of large corporations
- Perfectly suited for Virtualisation, collaborative Suites and departmental Applications.
- Performance, reliability and expandability to secure growing businesses
- Optimal acoustics upgrade kit for most demanding environments

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IT SERVICES AND SOFTWARE

MOBILE/BROADBAND NETWORKING

COMPUTERS

SEMICONDUCTORS

IMAGING AND DISPLAYS

Empowered by Innovation

NEC

Hardware Specification

Outstanding Performances for departmental applications

- Large choice of Intel® Xeon® 45nm **Dual/Quad core** processors (5200 & 5400 Series)
- Support of Up to **48GB DDR2 667Mhz** Memory
- Storage capacity extended up to **16x 2.5" SAS Disks (8x Disks maximum in 3.5" form factor)**
- **High efficient RAID controller** (128 or 256MB cache with optional BBU) enabling RAID 0,1,10,5,6 packs

Reliability and Comfort for growing businesses

- Optimised acoustics with optional Low noise water cooling kit enabling 40dBa at 25°C
- High efficient Hotswap redundant power supplies and fans
- Wide choice of optional LTO tape drives

Full Remote Manageability

to ease installation, deployment and maintenance

- Integrated **ExpressScope** Technology featuring KVM over IP and Remote Media
- **ExpressBuilder** and **ESMPRO Suite** enabling simple installation/configuration and remote monitoring
- Embedded Power consumption Control Technology

DESIGN	Form Factor Tower Optional 5U Rack Mount Kit
PROCESSORS	Quad-Core Intel® Xeon® 5400 series (up to 3.16GHz/1333MHz FSB/2x6MB L2 cache) Dual-Core Intel® Xeon® Processor 5200 series (up to 3.3GHz/1333MHz FSB/6MB L2 cache) 2 nd Cache 6MB or 2x 6MB No. of CPU 2
ARCHITECTURE	Intel® EM64T Supported Chipset Intel 5000P + Intel® 6321(ESB2E) + ServerEngines Pilot FSB 1066/1333 MHz
MEMORY	Type DDR2-667 FB-DIMM ECC, Chipkill, Mirroring, Sparing Min 2GB (1GB x2) Max 48GB (4GB x12) 24GB for water cooling Slots 12 DIMM
STORAGE DEVICES	I/F SAS / SATA-2 Max capacity 2.5" SAS 10Krpm : 2.3TB (146GB x16) 2.5" SAS 15Krpm : 1.1TB (73GB x16) 3.5" SAS 15Krpm : 2.4TB (300GB x8) 3.5" SATA2 7.2Krpm : 6 TB (750 GB x8) RAID PCI express x8 RAID controller (128MB or 256MB cache) supporting RAID 0,1,5,6,10,50 Optional Battery Backup Unit HotSwap Supported (standard)
MEDIA	FDD Optional : External 1.44MB USB FDD ODD DVD Rom or DVD RW
BAYS	Device Bays : 5.25" x3 Max Disk Drive Bays : 8x 3.5" (4+4) or 16x 2.5" (8+8)

*1 (One PCI ex X4 slot dedicated to RAID Controller)

*2 : Not available with water cooling kit

* Please contact us to get Linux drivers that are not included in distribution

*3 Contact us to get latest test report

I / O SLOTS	Total : 6 slots PCI EXPRESS™ : 4 2@X8 + 2@X4(*1) 64bit/133MHz PCI-X : 1 (3.3V) 32bit/33MHz PCI : 1 (5V)
VIDEO	Embedded 8MB VRAM
NETWORK	Embedded Dual Gigabit Ethernet w/ WOL (1000BASE-T x 2) + Dedicated Remote Management Port (100BASE-T x1)
I / O PORTS	Keyboard x1, Mouse x1, USB2.0 x4 (2x Front + 2x Rear), Serial x2, SVGA Video x1, LAN x2 Optional 1x Connector 68 pin VHD (SCSI Port)
POWER SUPPLY	Standard : 1 Optional : Redundant PSU (1+1) Max Power Consumption : 600VA/730W Dissipation : 2389 BTU/Hour (max)
COOLING FAN	Standard : 2x Fixed Optional : +1 Fan HotSwap (*2) redundant fan kit (*2)
MANAGEMENT	Integrated ExpressScope Management Suite Remote KVM over IP and remote media Administration Software : ESMPRO Suite Configuration Software : ExpressBuilder
SECURITY	2 level Passwords : Yes Front Door : Yes Intrusion Detection : Yes
PHYSICAL SPECIFICATIONS	Dimensions : 220W x 711 D x 453 H (mm) Weight : 25kg (standard), 35kg (max) Acoustics : 45dB at 25°C (40dB with water cooling kit)
CERTIFIED OS	Windows Server® 2003 R2 SP2 (x64, x86) Red Hat® Linux™ EL 5.1 (*) VMware vi3.0.2 and 3.5
ADDITIONAL SUPPORTED OS	Novell® SuSe™ SLES 10 SP3 (*)
TESTED OS *3	Mandriva CS 4u2 Fedora 8 Debian R4
WARRANTY	Standard : 3 years on-site Extensions : 4 hour Response 6 hour Repair Time Commitment

