



## NEC EXPRESS5800/120Rj-2



The compact rack server  
with maximum expandability  
Server for the most demanding applications

**Performance**  
**High expandability**  
**Simplified management**

- Delivers utmost performance for medium to large businesses, along with high expandability, reliability, and availability in a space-saving 2U rack form factor.
- Perfectly Suited for virtualisation and consolidation applications, databases, ERP/CRM. Valuable solution for workgroup environments or remote sites looking for space optimisation.
- EXPRESSSCOPE Technology integrated as standard (KVM over IP, Remote Media), providing enhanced RAS functionality while optimizing your management cost.

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### Hardware Specification

#### Performance

- Intel® Xeon® **45nm Dual/Quad** core CPUs (5200 & 5400 Series)
- Up to **48GB** FBD DDR2 667Mhz memory capacity
- **New powerful RAID controller (128/256MB cache, RAID 0,1,5,6) with optional BBU**
- Supports **8x 2.5" SAS** or 6x 3.5" SAS/SATA HotSwap HDDs

#### High expandability

- 3.5" Bay for optional Single Tape drive
- 6 PCI slots available (3 Low-profile and 3 Full-height), Up to 6x **PCI-Express with optional riser**
- Optional **Redundant HotSwap power supply and fans**

#### Simplified management

- Integrated Web-based remote management Technology featuring **KVM over IP** and **remote media**
- **ESMPRO Suite** and **ExpressBuilder**, Administration and installation/configuration support tool

DESIGN	Form Factor 2U Rack	
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) No. of CPU 2 Cache L2 6MB or 2x 6MB	
ARCHITECTURE	Intel® EM64T Supported Chipset Intel® 5000P + ESB2E + ServerEngines Pilot2 TPM 1.2 for enhanced security FSB 1066/1333 MHz	
MEMORY	Type DDR2-667 FB-DIMM ECC, Chipkill, Mirroring, On-line Sparing Min 2GB (1MB x2) Max 48GB (4GB x12) Slots 12 DIMM	
STORAGE DEVICES	I/F SATA2 / SAS Max capacity SATA2 : 4.5TB (750GB x6) 3,5" 7,2Krpm SAS : 1.80TB (300GB x6) 3,5" 15Krpm 1.168TB (146GB x8) 2,5" 10Krpm 584GB (73GB x8) 2,5" 15Krpm RAID On-board : SATA RAID 0, 1 Optional : 128MB or 256MB cache RAID 0, 1, 5, 6 Battery Backup Unit HotSwap Supported (standard)	
MEDIA	FDD Optional : 1.44MB external USB ODD DVD RW 48X24X48X16 drive	
BAYS	Device Bays : 3.5" x1 Disk Drive Bays : 3.5" x6 2.5" x8 Slim Bay for Optical Device Drive	

I / O SLOTS	Total : 6 slots Full Height : Optional : PCI EXPRESS™ x8 : 1 64bit/100MHz PCI-X : 2 or 64bit/33MHz PCI (5V) : 3 or PCI EXPRESS™ x8 : 3 Low Profile : Standard : PCI EXPRESS™ x8 : 1 PCI EXPRESS™ x4 : 2
VIDEO	Embedded PCI SVGA Video with 8MB of VRAM
NETWORK	1000BASE-T x 2 (w/IOAT) 1-ch 10/100BASE-T dedicated to management
I / O PORTS	Display x1, Keyboard / Mouse x1 USB2.0 x4 (2x Front + 2x Rear), Serial x2, LAN x2, Management LAN x1
POWER SUPPLY	Standard : 1, HotSwap, Not redundant Option : Up to 2, redundant Max power consumption : 600VA/650W Dissipation : 2560 BTU per hour (max)
COOLING FAN	Standard : 4, Hot Swap not redundant Option : up to 4, Redundant
MANAGEMENT	Remote Management : ExpressScope Engine 2 featuring Remote Media and KVM over IP Administration software : ESMPRO management Configuration software : ExpressBuilder
SECURITY	2 Level Passwords : yes Front Door : yes Intrusion Detection : yes
PHYSICAL SPECIFICATIONS	Dimensions (mm) : 427W x 722D x 88H Weight : 21kg (standard), 30kg (max) Acoustics (idle/running) : 50,8 dB/52,1dB at 25°
CERTIFIED OS	Windows Server™ 2003 R2 SP2 (x64, x86) Red Hat® Linux™ EL 4.5 and EL 5.0 (*1) VMware vi3.0.2 et 3.5
ADDITIONAL TESTS*2	Red Hat® Linux™ EL 4.6 and EL 5.1 Mandriva CS 4u2 Fedora 8 Debian
WARRANTY	Standard : 3 years on-site Extensions : 4 hour Response 6 hour Repair Time Commitment

(\*Please contact us to get drivers that are not included in tested Linux distributions

\*1 Please contact us to get Linux drivers that are not included in distribution

\*2 Contact us to get latest test report

