



## NEC EXPRESS5800/120Rh-1



### The ultra slim rack server Optimized for space constrained installations

- Designed for medium businesses with rack environment, corporate data centers and remote branch offices while offering advanced cost performance in a 1U rack form factor.
- Is an Easy-to-deploy server ideal for ISPs & ASPs to house front-end Web applications : firewall, proxy, load balancing and cache services.
- Outstanding performance, reliability and manageability for the calculation applications with intensive processor power needs.

**Performance**

**Robustness**

**Simplified management**

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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 **6x 2.5"** SAS or 3x 3.5" SAS/SATA HotSwap HDDs

#### Robustness

- Standard "One Touch" Rails Technology (with optional cable arm)
- Standard Redundant fans
- Optional **HotSwap Redundant power supply**

#### 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

<b>DESIGN</b>	Form Factor 1U Rack with One touch rails
<b>PROCESSORS</b>	Quad-Core Intel® Xeon® Processor 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 <sup>nd</sup> Cache 6MB or 2x 6MB No. of CPU 2
<b>ARCHITECTURE</b>	Intel® EM64T Supported Chipset Intel® 5000P + ESB2E + ServerEngines Pilot2 TPM 1.2 for enhanced security FSB 1066/1333 MHz
<b>MEMORY</b>	Type DDR2-667 FB-DIMM ECC, Chipkill, Mirroring, On-line Sparing Min 2GB (1GB x2) Max 48GB (4GB x12) Slots 12 DIMM
<b>STORAGE DEVICES</b>	I/F SATA2 / SAS Max capacity SATA2 : 2.25TB (750GB x3) 3,5" 7,2Krpm SAS : 900GB (300GB x3) 3,5" 15Krpm 876GB (146GB x6) 2,5" 10Krpm 438GB (73GB x6) 2,5" 15Krpm  RAID Standard : on-board SATA RAID 0, 1 Optional : SAS/SATA RAID 0, 1, 5, 6 controller (128MB or 256MB cache). Battery Backup Unit HotSwap Supported (standard)
<b>MEDIA</b>	FDD Optional : 1.44MB external USB ODD DVD RW 48X24X48X16 drive
<b>BAYS</b>	Device Bays 3.5" x1 Disk Drive Bays 3.5" x3 2.5" x6 Slim Bay for Optical Device Drive

<b>I / O SLOTS</b>	Total : 2 slots Full Height : 64bit/100MHz PCI-X : 1 Or PCI EXPRESS™ (x8) : 1 Low Profile Standard : PCI EXPRESS™ (x8) : 1
<b>VIDEO</b>	Embedded PCI SVGA Video with 8MB of VRAM
<b>NETWORK</b>	1000BASE-T x 2 (w/IOAT) 1-ch 10/100BASE-T dedicated to management
<b>I / O PORTS</b>	Display x1, Keyboard / Mouse x1 USB2.0 x4 (2x Front + 2x Rear), Serial x2, LAN x2, Management LAN x1
<b>POWER SUPPLY</b>	SATA2 model : 1, fixe or Hot Swap not redundant SAS models : Standard : Hot-Swap Optional : Up to 2, Redundant  Max power consumption : 600VA/650W Dissipation : 2218 BTU per Hour (max)
<b>COOLING FAN</b>	Standard : Redundant and not Hot Swap
<b>MANAGEMENT</b>	Remote Management: ExpressScope Engine 2 Integrated remote Media and KVM over IP Administration software: ESMPRO management Configuration software: ExpressBuilder
<b>SECURITY</b>	2 level Passwords : Yes Front Door : Yes Intrusion Detection : Yes
<b>PHYSICAL SPECIFICATIONS</b>	Dimensions (mm) : 425W x 718D x 43H Weight : 16kg (standard), 21kg (max) Acoustics (idle/running) : 51.7dB/52,1dB at 25°
<b>CERTIFIED OS</b>	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
<b>ADDITIONAL TESTS *2</b>	Red Hat® Linux™ EL 4.6 and EL 5.1 Mandriva CS 4u2 Fedora 8 Debian
<b>WARRANTY</b>	Standard : 3 years on-site Extensions : 4 hour Response 6 hour Repair Time Commitment

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

\*2 Contact us to get latest test report

