



NEC EXPRESS5800/120Eh2

The Flexible Workgroup Server

The Value Server for fast growing small and medium sized businesses

High Performance
with the latest technology

Versatility
for growing business

Manageability
for easy installation,
deployment, operations

- 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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Hardware Specification

High Performance with the latest technology

- Supports Intel® Xeon® 45nm Dual/Quad core processors
- Embedded Dual Gigabyte Ethernet Controllers with Intel® I/O Acceleration Technology (IOAT),
- 8 FB-DIMM Slots Available

Versatility for growing business

- Flexible memory expansion opportunity
- Supported SAS/SATA disks
- Fixed or redundant power supply
- PCI expandability

Manageability

for easy installation, deployment, operations

- Integrated server management IPMI 2.0
- ESMPRO Suite and ExpressBuilder, Administration and installation/configuration support tool

DESIGN	Form Factor Tower Optional 6U Rack Mount Kit
PROCESSORS	Quad-Core Intel® Xeon® 5400/5300 series (up to 3.3 GHz / 1333 MHz FSB / 2x6 MB L2 cache) Dual-Core Intel® Xeon® Processor 5200/5100 series (up to 3.3 Ghz/1333MHz FSB/6MB L2 vache) 2 nd Cache 6MB or 2x 6MB No. of CPU 2
ARCHITECTURE	Intel® EM64T Supported Chipset Intel® EMT64 supported FSB 1066/1333 MHz
MEMORY	Type DDR2-667 FB-DIMM ECC, Chipkill, on-line sparing Min 1GB (512GB x2) Max 16GB (2GB x8) Slots 8 DIMM
STORAGE DEVICES	I/F SATA2 / SAS Max capacity SATA2 : 4.5TB (750GB x6) 7,2 Krpm 900GB (150GB x6) 10Krpm SAS : 1.8TB (300GB x6) 15Krpm RAID SATA2 : On-board 6 Ports w/RAID 0, 1,10. Optional RAID 5 SAS/SATA2 : Optional LSI 8708EM2 8-ch RAID Controller (128/256MB cache) supporting RAID 0,1,5,6,10 and Battery Backup Unit SATA Promise EX8350 SCSI LSI 320-1
MEDIA	HotSwap Optional
	FDD Optional external USB 1.44MB FDD ODD EIDE DVD Rom / DVD RW

BAYS	Device Bays : 5.25" x2 3.5" x1 Disk Drive Bays : 6
I / O SLOTS	Total : 5 slots PCI EXPRESS™ x4 : 2 (x8 Slots) 64bit/133MHz PCI-X : 2 (3.3V) 32bit/33MHz PCI : 1 (5V)
VIDEO	Integrated graphic engine 16MB
NETWORK	Embedded Dual Gigabit Ethernet w/ WOL (1000BASE-T x 2)
I / O PORTS	Keyboard x1, Mouse x1, USB2.0 x4 (2x Front + 2x Rear), Serial x1, SVGA Video x1, LAN x2 Optional 1x Connector 68 pin VHD (SCSI Port)
POWER SUPPLY	Standard : 1, Fixed or HotSwap Optional : Redundant PSU (1+1) Maximum Power Consumption : 600VA / 650W Dissipation (max) : 1877 BTU per hour (fixed PSU) 2218 BTU per hour (HotSwap PSU)
COOLING FAN	2x Fixed
MANAGEMENT	Controller : Integrated Server Management IPMI 2.0 Administration Software : ESMPRO Suite Configuration Software : ExpressBuilder
SECURITY	2 level Passwords : Yes Front Door : Yes Intrusion Detection : Yes
PHYSICAL SPECIFICATIONS	Dimensions 453W x 236D x 483H (mm) Weight 25kg (standard), 35kg (max)
CERTIFIED OS	Windows Server® 2003 R2 SP2 (x64, x86) VMware 3.5
ADDITIONAL SUPPORTED OS	Red Hat® Linux™ EL 4.5 & 5.1 (*) Novell Suse SLES 10 (*)
TESTED OS (*1)	Windows Server™ 2000 (32 bits)
WARRANTY	Standard : 3 years on-site Extensions : 4 hour Response 6 hour Repair Time Commitment

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

*1 Contact us to get latest test reports

