



NEC EXPRESS5800/120Eh2

The Flexible Workgroup Server

The Value Server for fast growing small and medium sized businesses

- 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.

High Performance
with the latest technology

Versatility
for growing business

Manageability
for easy installation,
deployment, operations

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IT SERVICES AND SOFTWARE

MOBILE/BROADBAND NETWORKING

COMPUTERS

SEMICONDUCTORS

IMAGING AND DISPLAYS

Empowered by Innovation

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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 series (up to 3.3 GHz / 1333 MHz FSB / 2x6 MB L2 cache) Dual-Core Intel (R) Xeon (R) Processor 5200 series (up to 3.3 Ghz/1333MHz FSB/6MB L2 vache) 2 nd Cache 6MB or 2x 6MB No. of CPU 2
ARCHITECTURE	Intel® EMT64 Supported Chipset Intel® EMT64 supported FSB 1066/1333 MHz
MEMORY	Type DDR2-667 FB-DIMM ECC, Chipkill, on-line sparing Standard 2GB (1GB x2) Max 16GB (2GB x8) Slots 8 DIMM Slots
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 8-ch RAID Controller (128/256MB cache) supporting RAID 0,1,5,6,10 and Battery Backup Unit HotSwap Optional
MEDIA	FDD Optional external 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	Embedded ATI ES1000 SVGA (16MB VRAM)
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 : 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)
SUPPORTED OS	Windows Server® 2003 R2, Red Hat® Linux™ 5.x * Suse SLES 10 *
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

