



NEC EXPRESS5800/120RI-2

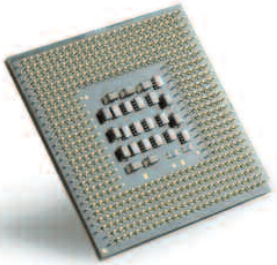
- **Advanced Scalability in a Compact 2U Rack Chassis**
- **Intel 5000P Chipset Supporting 1066/1033MHz Bus**
- **Latest Intel Dual/Quadri-core Xeon® CPUs with 4MB L2 Cache**
- **Up to 48GB of FBD DDR2-533 SDRAM**
- **Up to 6 Internal HDDs and one Internal Tape Drive**
- **Onboard 8-port SAS controller with RAID 5 option**
- **Full Manageability with integrated Remote KVM over IP option**
- **Optional HotSwap Power Supply Units and Redundant Fans**

The COMPACT
Rack Server

Performance

Flexibility

Manageability



NEC EXPRESS5800/120RI-2

The COMPACT Rack Server

CHASSIS

Form Factor 2U Rack

CPU & CHIPSET

Number of CPUs 2
 CPUs Intel® Xeon™ 1.6GHz to 3.0GHz (5100/5300 Series)
 Cache L2 Shared 4MB or 2 x 4MB
 Socket FC-LGA6 packaging

ARCHITECTURE & BOARD

Chipset Intel 5000P + ESB2E + ServerEngines Pilot
 Front Side Bus 1066/1333 MHz (FSB)

MEMORY

Type FB-DIMMs ECC DDR2-533/667 2-Way Interleaved
 Maximum Slots 48GB Fully Buffered DIMM 12 FBDIMM slots

STORAGE

Integrated 1-ch ATA 100 controller
 8-port SAS w/ RAID 0,1
 2-port SATA-2
 Hotswap drives Up to 6x SAS HDDs
 SAS (15K) 36/73/146/300* GB 15 Krpm
 FDD Opt. USB 1.44MB FDD
 Optical IDE Drive 16x EIDE DVD drive or DVD RW 48X24X48X16 drive
 RAID Optional PCI-X ZCR RAID w/ 128MB
 Or Optional PCIe 8ch RAID w/ 256MB
 Max Capacity Up to 1.8TB (6x 300GB)
 Internal Capacity

* Check Availability

BAYS

3.5" media bays 1/1 (total / free)
 3.5" SAS HDD Hot Swap 6x1"
 Slim Bay for Optical Device Drive

SLOTS

Total Slots 2x PCI-Express (x8)
 2x PCI-Express (x4) Low-Profile
 2x PCI-X/66MHz (3.3V)
 Full Height Riser 2x PCI-X 64bit/133MHz +
 Options 1x PCI-X 100 + 3x PCI 64bit/66Mhz 5V

VIDEO

Video Controller Embedded PCI SVGA Video or optional PCI Video Card
 Embedded 2MB VRAM
 Video Memory / Type Optional 16MB VRAM on PCI card

NETWORK

Integrated Ethernet Controller 2-ch. Gigabit Ethernet

SECURITY

2 level passwords Yes
 Front Door Yes
 Intrusion Detection Yes

I/O PORTS

USB Ports 6x USB2 (2x Front + 4x Rear)
 PS/2 Ports 1x
 Serial Port 2x Serial (DB9) port
 Video Port 1x SVGA video port
 Ethernet Ports 2x RJ45 Ethernet port
 Management Port 1x RJ45

POWER SUPPLY

Hotswap PSU 750W HotSwap PFC
 Redundant HotSwap Option

VENTILATION

Fixed System Fans (x4)
 Redundant x4 Fans Option

PHYSICAL SPECIFICATIONS

Environmental 10 to 35°C, 20 to 80% RH
 Weight 21 - 30 kg
 Dimensions WxDxH 427 x 722 x 88 mm

OS AND SOFTWARE

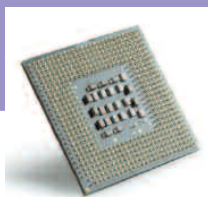
Administration Soft. ESMPRO Suite
 Set-up and Configuration ExpressBuilder
 Certified OS Windows 2003 Server
 RedHat Linux 4.0

WARRANTY

Standard Warranty 3 years on-site
 Warranty Extensions 4 Hour Response
 6 Hour Repair Time
 Commitment

REGULATORY & SAFETY

Regulatory CE compliant
 Compliance FCC compliant
 UL compliant



Performance

- Intel® Xeon® Dual-Core Processors
- Up to 48GB FB-DIMM ECC DDR2-533 SDRAM



Flexibility

- Up to 6 SAS HDD's
- 6 PCI Slots



Management

- ESMPRO Management
- Optional KVM Option
- NEC ExpressBuilder

