

NEC



Availability



Performance



NEC EXPRESS5800/320Fa-R

- “Advanced Redundant Architecture” for continuous processing
- The Performance of the latest Xeon processors
- Simplified Maintenance by modular Design
- Full Compatibility with Windows 2003



Fault Detection

**Unprecedented
Fault-Tolerance
and High
Availability**

www.nec-computers.com

NEC EXPRESS5800/320Fa-R

Unprecedented Fault-Tolerance and High Availability

DESIGN

Advanced Modular Redundancy
Dual logical modules (CPU-Memory-I/O)
Duplexed HDD modules in dual access
4 U rack form factor

LOGICAL MODULE (CPU- MEMORY -I/O)

PROCESSOR

Number of CPUs 2
CPUs Intel® Xeon® 3.2GHz (L-Model) or 3.8GHz (M-Model)
Cache L2 2MB ECC L2 (on-die)
Socket FC-mPGA4 packaging
Cooling Water cooling kit (3.8Ghz)

ARCHITECTURE & BOARD

Chipset NEC GeminiEngine™ chipset
Front Side Bus 800MHz Front Side Bus (FSB)

MEMORY

Maximum Type 12GB
DDR2-400 ECC SDRAM
2-way interleaved
Slots 6 DIMM slots

I/O CONTROLLERS

Integrated onboard 2-channel Ultra 320 SCSI controller
1x ATA 150 controller

SLOTS

Total Slots 3 PCI-X slots (2 on L-Model)
3x 64bit/100MHz low profile

STORAGE MODULES

BAYS

Optical IDE Drive 24x CD-ROM drive, low profile, shared
FDD Optional USB drive (external)
3.5" Hot-swap HDD bays
6x 1" (dual access, software duplexed)
900GB SCSI (3x 300)
73/146/300GB 10Krpm
Ultra320 73/146GB 15Krpm
U320

VIDEO

Video Controller On-board ATI Graphics
Video Memory / Type 32MB VRAM

NETWORK

Integrated Ethernet Controller On-board 2x Gigabit Ethernet WOL, AFT/ALB

SECURITY

2 level passwords Yes
Front Door Yes
Intrusion Detection No

I/O PORTS

USB Ports 3x USB2 (1 front, 2 rear)
Video Port 1x SVGA video port
Management Port On-board BMC – option F-RMC (std on M-model)
Ethernet Ports 4x RJ45 Ethernet ports
ExpressScope LED (per logical module)

MANAGEMENT

Administration Soft. ESMPRO Server Manager
Remote Management Dianascope remote management software

POWER SUPPLY

PSU Type 2x 700W (swappable)

VENTILATION

Standard 6x fans (per module)

PHYSICAL SPECIFICATIONS

Dimensions 485 x 635 x 177 mm (WxDxH, rack)
Weight 44-47 kg
Environmental 10 to 35°C, 20 to 80% RH

OS AND SOFTWARE

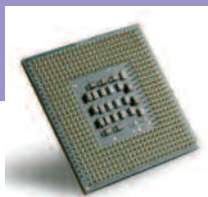
Certified OS Windows 2003 Server Enterprise Edition
Set-up and Configuration ExpressBuilder

WARRANTY

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

REGULATORY & SAFETY

Regulatory Compliance UL, FCC, CE



Availability

- Dual Access HotSwap HDDs
- Advanced Modular Redundancy



Performance

- Latest Xeon Processors
- 2 Way DDR2 Memory



Fault Detection

- NEC GeminiEngine™ chipset
- Dual logical modules (CPU-Memory-I/O)
- Continuous Processing

