



NEC EXPRESS5800/320Fd-R



High Performance for non-stop Business Data Center Performance, Ideal to secure your Virtual Environment

- **Non-stop operation** : The replicated components eliminate potential failure points and ensure continuous processing without any interruption and loss of data. NEC 's FT Server continues to operate while a faulty components is being replaced
- **Easy to deploy** : NEC 's FT Server supports standard operating systems, allowing users to run middleware and applications without modification
- **Full compatibility** with Windows 2003 R2 EE, 32 & 64 bits, Windows 2008 64 bits, Linux Red Hat 5.x, VMware Virtual Infrastructure et Parallels Virtuozzo⁽¹⁾
- Designed to provide **ultimate availability and system integrity** through lockstep processing for messaging applications, critical work applications as well as real-time systems in clinics and hospitals, production lines or order management systems.

**Pro-active
24/7 service**

**Operational
simplicity**

**Continuous
availability**

**Performance and
Simplified Management**



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IT SERVICES AND SOFTWARE

MOBILE/BROADBAND NETWORKING

COMPUTERS

SEMICONDUCTORS

IMAGING AND DISPLAYS

Empowered by Innovation



Product Highlights

Pro-active 24/7 service

- 24/7 Automatic FT Remote Alert
- Proactive FT Remote Monitoring
- FT Service Contract

Operational simplicity

- Mono-processor et dual processor Model
- Support of standard Microsoft OS (32 & 64 bits)⁽¹⁾, Linux Red Hat 5.x⁽¹⁾, VMware VI 3.02ft⁽¹⁾, and Parallels Virtuozzo 4.0⁽¹⁾

Continuous availability

- Mirrored HotSwap HDDs and Rapid Disk Resync (RDR)
- Active Upgrade™ services

Performance and Simplified Management

- Latest 45nm Intel® Xeon® Quad core processors (MR model)
- Better manageability with F-RMC integration in standard
- Higher expandability with one embedded PCI Express Slot

Hardware Specification (Logical Module)

CHASSIS	Form Factor 4U Rack
CPU	MR model: Quad-Core Intel® Xeon® Processor X5450 (3GHz) No. of CPU 1 or 2 Cache L2 2x 6MB Chipset Intel® 5000V+ NEC Gemini Engine Front Side Bus Speed 1333MHz
MEMORY	DDR2-667 FB-DIMM ECC Standard 2GB Max 24GB (4GB x 6) Slots 6 DIMM Slots
INTERNAL HDD	Max 900GB : 300GB x3, 3,5", 15Krpm I/F SAS HotSwap Supported (standard)
FDD	Optional USB drive
ODD	Slim DVD writer (standard)
DISK DRIVE BAYS [FREE]	3.5" x3[1]
EXPANSION SLOTS	Total : 3 slots 64bit/133MHz PCI-X (LP) : 1 64bit/100MHz PCI-X (FH) : 1 PCI Express x8 (FH), wired in 4x : 1
GRAPHICS	On-board ATI ES1000graphics Video memory : 32 VRAM
NETWORK	Dual Gigabit Ethernet (1000BASE-T x 2) + 1 for Remote Management

EXTERNAL INTERFACE	USB 2.0 x3, 2x Serial (debug purpose only) SVGA video x1, Physical Ethernet ports x4 + 2 (for management) Logical Ethernet ports x2 +2 (for management)
MANAGEMENT	Remote access : KVM over IP or remote console Administration software : ESMPRO management Configuration software : ExpressBuilder
SECURITY	2 Level Passwords : yes Front Door : no Intrusion Detection : no
MAXIMUM POWER CONSUMPTION	1202VA/1200W
POWER SUPPLY	Standard : 2 x 650W, redundant via CRU*
COOLING FAN	Standard : Redundant
DIMENSIONS (MM)	483W x 762D x 178H
WEIGHT	48kg (standard), 53.50kg (max)
SOFTWARE FOR CONTINUOUS AVAILABILITY	Active Upgrade™ (for Windows), Rapid Disk Resync (RDR)
SUPPORT OS	Windows Server™ 2003 R2 EE (32, 64 bits), Windows Server™ 2008 EE (64 bits) ⁽¹⁾ Red Hat® Linux™ AS 5.0 ⁽¹⁾ VMware VI3.x ⁽¹⁾ Parallels Virtuozzo 4.0 ⁽¹⁾
WARRANTY	Standard Warranty : CRU repair Support contract : 24/7 Proactive Services

*CRU = Customer Replaceable Unit
(1) Check Availability

