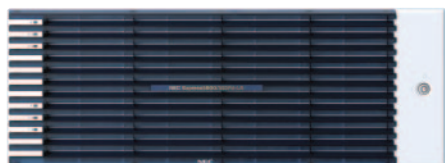


NEC Express5800/320Fd Fault Tolerant Server VMware Model



NEC fault tolerant system brings high availability to your consolidated virtualization environment.

- Supports VMware ESX for simplified server consolidation and operating system migration at minimum costs
- Features one or two Intel® Xeon® processors
- Reduces risk of hardware failure



Virtualization Technology—VMware ESX

The latest NEC Express5800 320Fd fault tolerant server supports VMware ESX that allows multiple guest operating systems to run in a single physical server, simplifying server consolidation and migration from old operating systems. The 320Fd VMware model is fully optimized for use in infrastructure to consolidate distributed servers and save operational costs.

In consolidated, virtual environments where there are more applications and data running on a single hardware system, failures can have a greater impact. So, high availability and fault tolerance become more critical. The 320Fd is designed to address this growing market need for robust hardware infrastructure with the solid reliability and availability essential for server consolidation.

Continuous Availability

NEC's FT server provides full hardware redundancy in main components—CPU, memory, hard disk drives, and PCI slots. The heart of this dual modular architecture is the GeminiEngine™ chipset specially engineered to synchronize redundant components and prevent CPU performance degradation due to hardware redundancy control. GeminiEngine™ enables “lockstep” processing, which allows the redundant components to process the same instructions simultaneously.

Unlike conventional Intel-based server solutions that are not fully redundant, NEC's FT redundant server architecture eliminates single points of failure and isolates hardware failures immediately. This process saves significant troubleshooting time and helps to preserve memory and processor status.

Product Specifications

Processors

2 x Intel® Xeon® Processor E5450 (3GHz, 1333MHz FSB, 2 x 6MB L2 Cache)
2 x Intel® Xeon® Processor E5405 (2GHz, 1333MHz FSB, 2 x 6MB L2 Cache)

Memory

Up to 24GB of DDR2-667 Fully-Buffered DIMM with ECC

Storage

Supports SAN using NEC Storage *No internal disk drives are provided.

Network

1000BASE-T/100BASE-TX/10BASE-T x 2

Expansion slots

3 slots:
1 x Low profile (64bit/133MHz PCI-X)
1 x Full height (64bit/133MHz PCI-X) *Occupied by a 4Gb Fibre Channel Controller.
1 x PCI Express (x8) *Operates at x4 bandwidth

Video

ATI ES1000 32MB

Optical drive

CD-RW/DVD-ROM (CD: max. X24 DVE: max. X8) *Write software is not provided.

External interfaces

1 x 15-pin mini-D sub
3 x USB 2.0 *Support only NEC-authorized keyboard, mouse and floppy disk drive

Form factor

4U rack (Tower Conversion Kit is available.)

Supported operating system

VMware ESX 3.0.2ft
(For information about guest operating systems, please contact your sales representative.)



NEC EXPRESS5800

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