Express5800/320Lb

System Release Notes

Proprietary Notice and Liability Disclaimer

The information disclosed in this document, including all designs and related materials, is the valuable property of NEC Solutions (America), Inc. and/or its licensors. NEC Solutions (America), Inc. and/or its licensors, as appropriate, reserve all patent, copyright and other proprietary rights to this document, including all design, manufacturing, reproduction, use, and sales rights thereto, except to the extent said rights are expressly granted to others.

The NEC Solutions (America), Inc. product(s) discussed in this document are warranted in accordance with the terms of the Warranty Statement accompanying each product. However, actual performance of each product is dependent upon factors such as system configuration, customer data, and operator control. Since implementation by customers of each product may vary, the suitability of specific product configurations and applications must be determined by the customer and is not warranted by NEC Solutions (America), Inc.

To allow for design and specification improvements, the information in this document is subject to change at any time, without notice. Reproduction of this document or portions thereof without prior written approval of NEC Solutions (America), Inc. is prohibited.

Trademarks

Microsoft and Windows 2003 are registered trademarks of Microsoft Corporation.

PROSet II is a registered trademark of Intel Corporation

VERITAS is a registered trademark of VERITAS Software Corporation

All other product, brand, or trade names used in this publication are the trademarks or registered trademarks of their respective trademark owners.

PN: 455-01681-004   November 2004

Express5800/320Lb

System Release Notes

The *Express5800/320Lb System Release Notes* provide up-to-date information on your system. These notes also provide additional valuable information about your system that was not included in the user's guide at the time of its release.

Please read these notes in their entirety.

CONTENTS

Introduction

These System Release Notes cover the following topics:

- Operating System
- Advisories
- Documentation Errata

Operating System

The following general comments apply to this server.

- Versions of the Network Operating Systems tested and recommended are:

    — Microsoft Windows® 2003 Enterprise Edition.

- Microsoft Windows® 2000 and NT© 4.0 are not supported.

Advisories

EXPRESSBUILDER

The following advisory applies to EXPRESSBUILDER.

- Install the Windows Operating System using the Ft Server Setup function on EXPRESSBUILDER. Do not attempt to install the operating system manually.

- The version of EXPRESSBUILDER is specific to the operating system supported. The appropriate EXPRESSBUILDER is shipped for the configured operating system. If an operating system is not configured, use the EXPRESSBUIDER appropriate for your installation.

    - EXPRESSBUILDER 3.006 versions support Windows Server 2003 Enterprise Edition.

System Hardware

The following advisories apply to system hardware.

- SCSI disk LED's are green when the OS is rebooting.

- When a PCI module is removed, the disk LED's for the disks in the active PCI module are off.

- After a PCI module failover, the drive letter of the USB floppy drive changes. If the floppy drive letter is A:, it changes to B: If the floppy drive letter is B:, it changes to A:.

- OS installation must be performed with only one hard disk drive installed in slot #1 of PCI module #1. Otherwise, the keyboard, mouse and additional hard disk drives may not be recognized.

- Do not perform Device Manager "Scan for Hardware Changes" while performing a backup, otherwise the backup may fail.

- The keyboard and mouse may not respond during a BIOS online update. Once the BIOS is completely updated, keyboard/mouse functionality is restored.

  - When removing the USB diskette drive from the system, use "Add/ Remove Hardware" in the Control Panel. If the USB diskette drive is not cleanly removed, the keyboard and/or mouse may not respond. If the keyboard and/or mouse no longer respond, remove the USB keyboard from the system and reconnect it. Keyboard and mouse functionality will be restored.

  - When the system is connected to a UPS for planned shutdowns and reboots, it is possible that the active PCI module and the active Power Switch LED will switch between modules. This is due to slight timing differences in the boot sequences and may cause a different PCI module to be considered "primary" each time the system is power cycled.

  - When adding a new (i.e.. no operating system signature) hard disk drive to the system, add the hard disk drive while the operating system is up and running. If the new hard disk drive is introduced into the system when the system is not at the operating system level, the PCI modules may not duplex. If such a condition occurs, remove the new disk and re-insert it. The disk will be recognized and the PCI modules will duplex.

  - Determining a defective disk (i.e.. ascertaining the physical location), requires the following information.

    — **Port Number:** The port number can be determined from ESMPRO's DataViewer. SCSI Enclosure (ID:10/40/120) for PCI module #1 and SCSI Enclosure (ID:11/40/120) for PCI module #2.

    — **Target Number:** The Target Number can be determined from VERITAS Enterprise Administrator Check each disks' Properties. Each disk will have a Port Number and a Target Number. The Port Number will correspond with the PCI module determined in above under Port Number. The Target Number corresponds as follows:

Target	Disk Slot
0	1
1	2
2	3

- If you have computers that communicate with the EXPRESS5800/320Lb Series server using TCP/IP protocols, you must make several configuration settings to the server to allow communications without interruptions. These TCP/IP configuration settings must also be made to all systems connected to the EXPRESS5800/320Lb server via the network. For other operating systems, consult your operating system documentation to determine the equivalent procedure(s).

- The selection of a PXE boot device in the BIOS Setup Utility Boot Menu is not currently supported on Express5800/320Lb/320Lb-R.

- The high availability server allows you to remove, install, and replace the following devices while the server is in continuous operation:
  - CPU Module
  - PCI Module
  - Disk Drives

- A system reboot is required when the following components are installed:
  - CPUs
  - DIMMs
  - PCI option cards

- The Express5800/320Lb(320Lb-R) may appear to hang with a blank screen when shutting down prior to a restart. This behavior has typically been noted when a USB to PS2 converter is used for the mouse and/or keyboard, with or without a KVM switch. As a workaround for this situation, remove and replace the keyboard/mouse USB cable in the USB port. System operation should continue after the cable is removed.

Windows Server 2003

The following advisories apply to Windows Server 2003.

- Veritas Volume Manager is not supported with the Windows Server 2003 operating system.

Other System Software

The following advisories apply to system software.

- Intel PROSet$^©$ II must be removed then re-installed whenever all the LAN adapter teams have been removed. The LAN adapter teams must be re-created after Intel PROSet is re-installed.

- The Windows System Event Log may show SCSI controller errors containing "f0030015" in the last data word while backup software is running. These errors may be ignored.

■ When backup software is installed and a PCI module needs to be serviced, terminate the backup software service before replacing PCI modules.

Documentation Errata

■ Part numbers referred to in the Express5800/320Lb User's Guide may have changed since the guide was written. Some part numbers may no longer be offered. Contact your NEC sales representative for more information.

User Guide Part Number	Current Part Number(s)
System Model	
N8800-048F	850163004, 850163006, 850163022
N8800-049F	850163003, 850163005, 850163021
Disk Drive	
N8150-011F	Not offered
N8150-012F	062-02209-000/050-02209-000
N8150-013F	062-02210-000/050-02210-000
N8150-014F	062-02313-000/050-02313-000
N8150-015F	Not offered
N8150-016F	Not offered
SCSI Controller	
N8803-002F	NU516/NU516-P
Fibre Channel Controller	
N8803-031F	062-02271-000/050-02271-000
	062-02359-000/050-02359-000
LAN Controller	
N8804-001P1	NU515/NU515-P
N8104-84	NU570/NU570-P
N8104-103	NU571/NU571-P
Backup Devices	
N8151-29F	Not offered
N8151-34AF	Not offered
N8151-36F	Not offered
N8151-39F	Not offered
N8151-41AF	Not offered
N8151-45F	Not offered
N8151-46F	Not offered