release notes

# hp StorageWorks

# FCA2214/FCA2214 DC PCI–X Host Bus Adapters for Linux and Windows

# release notes

Third Edition (May 2003)

**Part Number:** AV-RSBNC-TE

This document contains supplemental information for the HP StorageWorks FCA2214 PCI-X host bus adapter for Linux and Microsoft Windows.

For the latest version of these Release Notes and other host bus adapter documentation, access the HP storage website at: http://h18000.www1.hp.com/storage/saninfrastructure.html.

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FCA2214/FCA2214 DC PCI–X Host Bus Adapters for Linux and Windows Release Notes
Third Edition (May 2003)
Part Number: AV-RSBNC-TE

# Release Notes Contents

These release notes contain information for the FCA2214 and FCA2214DC host bus adapters (HBAs) for Linux and Windows.

These HBAs are 2 Gb high-performance PCI-X option HBAs that connect to devices attached through a switch-based optical Fibre Channel fabric. These HBAs support only short wave multi-mode connections. They are backwards compatible to PCI.

These release notes include all known issues or restrictions for using the HBAs within a system configuration. These release notes cover the following major topics:


- Supported Systems and Requirements
- Supported Firmware and BIOS Versions
- Restrictions


## Other Documentation

The FCA2214 and FCA2214DC PCI-X host bus adapter documentation kit, part number QC-6X2AA-H8, includes:

- *HP StorageWorks FCA2214/FCA2214DC PCI-X Host Bus Adapters for Linux and Windows Installation Guide*, part number AA-RSBMB-TE
- *HP StorageWorks FCA2214/FCA2214DC PCI-X Host Bus Adapters for Linux and Windows Release Notes*, part number AA-RSBMB-TE (this document)

Additional documentation, including, application notes, white papers, and best practices documents, are available at:

http://h18000.www1.hp.com/storage/saninfrastructure.html.

# Supported Systems and Requirements

These HBAs are supported on HP server platforms that:

- Meet the voltage and minimum PCI slot requirements listed in Table 1.
- Supports the following Linux operating systems and servers:
  - Linux (kernel 2.4x) for Red Hat 7.2 and Advanced Server 2.1
  - SuSE SLES 7
- Passed Windows Server 2003 and Windows 2000, SP3 compatibility testing with the HBAs as of the date on these release notes.

For other supported servers, refer to the storage website at:

http://www.hp.com/country/us/eng/prodserv/storage.html

See the Restrictions section in these release notes for known device restrictions.

Table 1 describes the voltage and minimum PCI slot requirements for the HBAs and for Windows platforms.

**Note:** Refer to your HP server PCI slot specifications to determine whether your server and the HBA are compatible.

**Table 1: Voltage and Minimum PCI Slot Requirements**

| HBA Model Number | HBA Part Number | HBA Voltage Requirement | HBA PCI Signaling Voltage | PCI Slot Type |
|---|---|---|---|---|
| FCA2214<br>FCA2214DC | 281541-B21<br>321835-B21 | 3.3 VDC | 3.3 volt, 5 volt Tolerant | Universal PCI connector |

# Supported Firmware and BIOS Versions

The firmware and BIOS revisions that are qualified with the HBA at this time are as follows:

- Windows driver–8.2.0.72
- Linux driver–6.04.00
- BIOS–1.33

## Fibre Channel Configurations

- For the latest device drivers and firmware information for switches, cables and hubs, please check the HP website at: http://www.hp.com/country/us/eng/prodserv/networking.html. Or, refer to the *HP StorageWorks SAN Design Reference Guide*. This document is available on the HP website at: http://h18006.www1.hp.com/products/storageworks/san/documentation.htm.

# Restrictions

The remainder of this document contains the restrictions for the HBA.

## Configuration Information

- Maximum number of cascaded (serial) switches is 3
- Maximum number of hops is 7
- Maximum cable length between switches is 500m for SWL, 10K for LWL, and 100K for VLD

## Linux Restrictions

Booting from a Storage Area Network (SAN) is not supported for this release.

## Windows Restrictions

- The HBA is not supported on Alpha platforms running Windows 2000 and Windows Server 2003.
- Booting from a Storage Area Network (SAN) is not supported for this release.