

Raidtec SOLUTIONS

Customer Bulletin

Product Model Name: CS3102

Date: April 2006

Reference No. RTS-CB 003

SUBJECT: CS3102 with Adaptec SCSI HBAs and Servers with Adaptec on-board SCSI

Overview

It is mandatory to use the latest Adaptec SCSI driver to ensure satisfactory, reliable SCSI communications between HBA and storage system when integrating any version of CS3102 with Adaptec U320 SCSI HBA and with Servers featuring U320 Adaptec SCSI interfaces incorporated into the motherboard

CS3102 is only supported with Adaptec U320 HBA for Windows. Adaptec do **not** yet supply suitable drivers for Linux or any other operating system.

CS3102 for use with any Adaptec U160 HBA or server with embedded Adaptec U160 SCSI port must have at least CS3102 firmware v0200 or later.

Supporting Adaptec U320 SCSI HBAs

Adaptec latest generic SCSI driver was posted to the Adaptec web site in Spring 2006 and replaces the previous Adaptec driver that was specifically required for this application. Please download the appropriate driver from the Adaptec web site: www.adaptec.com/worldwide/support. At the time of writing the relevant driver details provided by Adaptec were as follows:

Ultra320 SCSI Driver v3.00S7 for Windows 2000, 2003 & XP

Filename: PH30S7RC2.exe **Date:** 16 Mar 2006

16 Mar 2006 Ultra320 SCSI Driver v3.00S7 for Windows 2000, 2003 & XP

Ultra320 non-HostRAID 32-bit and 64-bit Driver for Windows 2000, XP, Server 2003, XP Professional x64 Edition and Server 2003 x64 Edition for the 29320A-R, 29320ALP-R and 39320A-R series cards **without** HostRAID enabled.

This is for information only. Please refer to www.adaptec.com/worldwide/support for the latest release.

Supporting Adaptec U160 SCSI HBAs

- Adaptec U160 HBAs and server motherboards with Adaptec U160 SCSI ports were supported by CS3102 with the original firmware v1.11. However, Plasmon no longer support CS3102 firmware v1.11, CS3102 firmware v0200 is therefore required.
- Adaptec U160 HBAs are **not** supported by CS3102 Firmware v121.
- CS3102 firmware v0200 will support both Adaptec U160 and U320 under Windows.

- The latest CS3102 firmware version is available on www.plasmontech.com/customer/cs3102.html.

Commissioning Hints:

- Typical failure mode for CS3102 with Adaptec U320 and wrong driver is dysfunction when trying to run faster than 160MB/s
- Typical failure mode for CS3102 with wrong firmware and Adaptec U160 is difficulty in seeing storage volumes within the CS3102.
- It may be necessary to power-cycle the CS3102 after upgrading the Adaptec HBA firmware.

**Contact Information for Technical Questions:
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