
**HP SureStore Tape Autoloader
HBA Compatibility**

Revision History

- Edition 1:** **January 2001:** Initial release.
- Edition 2:** **February 2001:** Updated tested HBAs and modified support notices for DLT and HP Ultrium LTO.
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In This Document

This document includes the following sections:

- **Compatible Host Bus Adapters (HBAs):**
Lists HBAs that have been tested and found to be compatible with the HP SureStore Tape Autoloader 1/9 configured with a DLT, DLT1 or HP Ultrium LTO tape drive.
- **Support Notices:**
Includes support issues you may encounter when using specific HBAs with DLT, DLT1 and HP Ultrium LTO autoloaders.

Compatible Host Bus Adapters (HBAs)

The tables below list HBAs that were tested and found to be compatible with the HP SureStore Tape Autoloader 1/9 configured with DLT, DLT1 and HP Ultrium LTO tape drives. Using one of these tested HBAs ensures compatibility with the autoloader.

Table 1 **DLT Autoloaders - Tested HBAs**

Manufacturer	Model
Adaptec	<ul style="list-style-type: none">• AHA-2940UW• AHA-2940U2W• AHA-39160
LSI Logic	<ul style="list-style-type: none">• SYM8952U• SYM8751SPE
QLogic	<ul style="list-style-type: none">• QLA1080• QLA1280• QLA12160

Table 2 **DLT1 Autoloaders - Tested HBAs**

Manufacturer	Model
Adaptec	<ul style="list-style-type: none">• AHA-2940UW• AHA-2940U2B• AHA-2940U2W
LSI Logic	<ul style="list-style-type: none">• SYM8952U
QLogic	<ul style="list-style-type: none">• QLA1080

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Compatible Host Bus Adapters (HBAs)

Table 3 **HP Ultrium Autoloaders - Tested HBAs**

Manufacturer	Model
Adaptec	<ul style="list-style-type: none">• AHA-2940UW• AHA-2940U2B• AHA-2940U2W• AHA-29160• AHA-39160
LSI Logic	<ul style="list-style-type: none">• SYM8952U• SYM8751SPE
QLogic	<ul style="list-style-type: none">• QLA1080• QLA1280• QLA12160

NOTE If you have questions regarding tested HBAs or their compatibility with the DLT, DLT1 or HP Ultrium autoloader, contact your service representative.

Support Notices

The following support notices include compatibility information for the HP SureStore Tape Autoloader 1/9 for the following HBAs:

- LSI Logic SYM 22915 HBA
- QLogic QLA1280

LSI Logic SYM22915 HBA

The LSI Logic SYM22915 HBA is not supported with DLT1 autoloaders. The table below describes the issue and cause.

Issue	Cause
Using an LSI Logic SYM22915 HBA with a DLT1 autoloader in Windows NT can cause the operating system to fail, resulting in a blue screen.	The SYM22915 is a SCSI 3 HBA, while the DLT1 tape drive is a SCSI 2 device that does not support SCSI 3 commands. When the HBA tries to negotiate by a Parallel Protocol Request (PPR message), the DLT1 tape drive does not respond as expected to this SCSI 3 command. This results in a system failure.

QLogic QLA1280 HBA

You may experience the following issue with the QLogic QLA1280 HBA when used with a DLT1 or HP Ultrium autoloader. The table below describes the issue and provides a solution.

Issue	Solution
Communication problems, detection errors, and I/O errors may occur when using the terminators that ship with the DLT1 and HP Ultrium autoloaders when used with the QLogic QLA1280 HBA.	Do not use the terminators that ship with the autoloader. Instead use the terminator that ships with the QLA1280 HBA to ensure successful operation.