



ExpressPCI Ultra320 Release v1.11 - Linux

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to ExpressPCI Ultra320 SCSI adapter driver, version 1.11, released on 09/26/2008. This information pertains to the Red Hat Linux Enterprise 3/4/5 and SUSE Linux Enterprise 9/10 drivers for ExpressPCI SCSI host adapters on x86, x64 (AMD64, EM64T) and IA-64 platforms.

2. Changes

- **Version 1.11 (Released 9/26/2008)**
 - The following apply to changes made from v1.10 to v1.11
 - **It is recommended that firmware version 2009_04_10 and BIOS version 2.27 be utilized with this driver release.**
 - **Incident Resolutions/Bug Fixes/Changes**
 - Worked around a firmware bug where a READ ATTRIBUTE command with an odd transfer length would hang the SCSI bus by temporarily negotiating to U160 (IR 5951).
 - Fixed compilation on 2.6.26 kernel (IR 5998)
- **Version 1.10 (Released 06/06/2008)**
 - The following apply to changes made from v1.07 to v1.10
 - **It is recommended that firmware version 2008_02_18 and BIOS version 2.25 be utilized with this driver release.**
 - **New Features**
 - Expanded kernel support for kernel 2.6.25
 - **Incident Resolutions/Bug Fixes/Changes**
 - Addressed an issue where an external bus reset during negotiation could cause a kernel panic
 - Improved sequence of compiling, installing and loading driver in 2.4 kernel
- **Version 1.07 (Released 02/28/2008)**
 - The following apply to changes made from v1.06 to v1.07
 - **It is recommended that firmware version 2008_02_18 and BIOS version 2.25 be utilized with this driver release.**
 - **New Features**
 - Expanded kernel support addressing issues with older kernels and adding support for newer kernels used by Fedora. Refer to the readme file for details.
 - Updated the file layout, including an install script "install.sh"
 - **Incident Resolutions/Bug Fixes/Changes**
 - Addressed an issue with a bus hang during U320 data transfer when a write command is issued with a length that is not a multiple of four.
 - Resolved issues with resets on 2.4 kernels
 - Added "low_memory_mode" parameter for systems with limited resources.

3. Known Issues/Advisements

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- None

4. Affected Products

Product Name	SKU
ExpressPCI UL4S	EPCI-UL4S-XXX
ExpressPCI UL4D	EPCI-UL4D-XXX
ExpressPCI UL5D	EPCI-UL5D-XXX
ExpressPCI UL5D Low Profile	EPCI-UL5D-LXX

5. Contacting ATTO Support

ATTO Technology, Inc. is renowned for its technical support services. ATTO's goal is to provide you the quickest response possible for your technical support needs, and is available Monday-Friday, 8:00 AM to 8:00 PM EST (except holidays and plant closings).

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
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