



ExpressSAS H6F0 GT Flash Bundle v131210

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the ExpressSAS H6F0 GT host adapter flash bundle package, version 131210, which was released on December 19, 2013. This information pertains to the flash bundles and EFI utility associated with the ExpressSAS H6F0 GT product.

2. Changes

- **Version 131210/EFI v1.10 (Released 12/19/2013)**
 - **New Features, Enhancements and Changes**
 - Corrected an issue where the device wait count would not be honored correctly when using direct attached SAS devices.

- **Version 130530/EFI v1.05 (Released 06/04/2013)**
 - **New Features, Enhancements and Changes**
 - Corrected the timer frequency that controls several operations including command timeouts.
 - Corrected a rare issue that could cause a command to be completed twice.
 - Added support for descriptor based sense data.
 - Updated SCSI-to-ATA translation for the Test Unit Ready command to be compliant with specification.
 - Multiple Invalid Frame errors are required before Transport Layer Retries are disabled for a device.
 - Updated SCSI-to-ATA translation for Inquiry VPD page 89 to support any data length.
 - During a command retry, TLR is disabled in the active command when a target does not support it.
 - Attempt to load only one EFI driver image per driver version in the system. Previously multiple images would be loaded if more than one card was present.
 - Added support for the Link Down Timeout NVRAM setting.

- **Version 120521/EFI v1.00 (Released 05/24/2012)**
 - **New Features, Enhancements and Changes**
 - Updated the *autoload* with new PCIe PHY settings.
 - [EFI] Initial release of the EFI drivers.

- **Version 120118 (Released 01/31/2012)**
 - **New Features, Enhancements and Changes**
 - Initial production release for the H6F0 GT.

3. Known Issues/Advisements

- The driver is not fully SAT compliant (SCSI-to-ATA Translation for SATA support). The following SCSI commands are not translated: REASSIGN BLOCKS, SECURITY PROTOCOL IN, and SECURITY PROTOCOL OUT. There is no known user impact.

4. Affected Products

Product Name	SKU
ExpressSAS H6F0 GT Adapter	ESAS-H6F0-GT0

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 6:00 PM EST (except holidays and plant closings).

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
- E-Mail: techsupport@attotech.com