



ATTO Technology, Inc.

Product Release Notes

12Gb GT SAS/SATA Release v1.10 – macOS®

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the 12Gb GT SAS/SATA adapters, version 1.10, that was released on 02/25/2025. This information pertains to macOS 15 Sequoia, macOS 14 Sonoma, macOS 13 Ventura, and macOS 12 Monterey.

2. Changes

- **Version 1.10 (Released 02/25/2025)**
 - **New Features**
 - Added support for auto rebuilding RAID groups
 - Includes support for displaying virtual port information and device node addresses
 - **Incident Resolutions/Bug Fixes/Changes**
 - Includes support for macOS Sequoia
 - Added fix for potential flash issues when flashing latest firmware
 - Resolves issue that causes a RAID member to go missing on certain systems
 - Includes fix for issue with displaying unknown error for target mode I/O errors
 - Resolves incorrect reporting of OUI ID for virtual SES devices
 - Added `atdevcfg` to driver installer
- **Version 1.09 (Released 06/06/2024)**
 - **It is recommended that firmware version 240529 be utilized with this driver release.**
 - **New Features**
 - N/A
 - **Incident Resolutions/Bug Fixes/Changes**
 - Added kext approval documentation to installer
 - Updated readme content for accuracy and clarity
 - Renamed contents of DMG for clarity
 - Fixed crash during large amounts of task management
 - Added NVRAM parameters to `atdpm`
 - Changed DMG volume name
 - Reported whether a PHY has WriteStop enabled in `atsasinfo`
 - Added support for `atdpm` CLI tool
 - Don't service a cable interrupt if the cable is faulted
 - Workaround narrow window where expander data may be invalid
- **Version 1.08 (Released 07/25/2023)**
 - **It is recommended that firmware version 230714 be utilized with this driver release.**
 - **New Features**
 - Updated the installer for Apple Silicon
 - Changed the default target execution throttle to 128
 - Increased the maximum SAS depth to 11
 - **Incident Resolutions/Bug Fixes/Changes**
 - Fixed an issue with counting VSA groups towards the device wait count
 - Fixed an issue with honoring SSC disable setting
 - Fixed a potential crash that could occur if the target database is full

- **Version 1.07 (Released (01/30/2023))**
 - **It is recommended that firmware version 221213 be utilized with this driver release.**
 - **New Features**
 - Added support for the device maintenance mode NVRAM setting
 - Increased the VSA RAID limits
 - RAID members can now be removed for a RAID group
 - **Incident Resolutions/Bug Fixes/Changes**
 - Fixed the installer README formatting in macOS Ventura
 - Fixed an issue with logging cable fault interrupts on certain ports
 - Install atfc instead of atlocate
 - Loosened DMA alignment restrictions
 - Fixed logging priority orders for errors and warnings
 - Fixed SMP error eventlog text
- **Version 1.05 (Released (02/08/2022))**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Added macOS Monterey to the readme
 - A restart is no longer required when the installer completes
 - Shortened controller initialization and discovery when PHY settings are adjusted for cable length
- **Version 1.04 (Released (06/23/2021))**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Correctly read system nvram settings on Apple Silicon.
 - Add support for storing and displaying the adapter serial number
 - Report adapter state as "Discovery in progress" while the port is enabling
- **Version 1.032 (Released (04/08/2021))**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Fix waiting for devices when coming out of power management
- **Version 1.031 (Released (03/18/2021))**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Fix kernel panic with RAID0 and SAS SSDs by decreasing IOCommandPoolSize
- **Version 1.03 (Released (02/03/2021))**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Add support for Apple Silicon
- **Version 1.02 (Released (01/05/2021))**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Add feature to allow the user to set a max PHY speed
- **Version 1.00 (Released (10/19/2020))**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Initial release of macOS drivers for the ExpressSAS GT 12Gb host adapters.

3. Known Issues/Advisements

- macOS High Sierra has introduced User-Approved Kernel Extension Loading. For additional information on this update, please visit:
<http://developer.apple.com/library/content/technotes/tn2459>

4. Affected Products

Product Name	SKU
ExpressSAS GT H1280	ESAH-1280-GT0
ExpressSAS GT H1208	ESAH-1208-GT0
ExpressSAS GT H120F	ESAH-120F-GT0
ExpressSAS GT H12F0	ESAH-12F0-GT0
ExpressSAS GT H1244	ESAH-1244-GT0

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.

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