



12Gb GT SAS/SATA Release v1.09 – Microsoft® Windows®

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 1.09, that was released on 02/25/2025. This information pertains to Windows 10 and 11 as well as Windows Server 2016, 2019, 2022, and 2025.

2. Changes

- **Version 1.09 (Released 02/25/2024)**
 - **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**
 - 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
- **Version 1.08 (Released 10/01/2024)**
 - **New Improvements**
 - Includes fix for maximum PHY mask settings for adapters that have less PHYs than the maximum for the family
 - Added fix for issue caused by default number of SAS addresses on certain GT models
 - Resolves incorrect reporting of OUI ID for virtual SES devices
 - Added CLI tool, *atdevcfg* to driver installer
 - Added support for pre-Windows 10 and Server 2016 version 1803
- **Version 1.07 (Released 06/06/2024)**
 - **It is recommended that firmware version 240529 be utilized with this driver release.**
 - **New Features**
 - Added NVRAM parameters to atdpm
 - **Incident Resolutions/Bug Fixes/Changes**
 - Fixed crash during large amounts of task management
 - Fixed issue honoring SSC disable setting
 - Fixed a potential crash that could happen if the target database is full
 - Removed target mode link delay PHY mask setting
 - Report whether a PHY has WriteStop enabled in atsasinfo
 - Replaced installer to streamline user experience
 - Cleanup references to Setup.exe in the Windows README
 - Removed default Windows registry parameters for families that have atdpm
 - Removed Scsiport registry settings
 - Discover expander-attached initiators when in target mode
 - Fixed target mode crash when disconnecting with I/O in flight
 - Don't service a cable interrupt if the cable is faulted
 - Workaround narrow window where expander data may be invalid

- **Version 1.06 (Released 07/25/2023)**
 - **It is recommended that firmware version 230714 be utilized with this driver release.**
 - **New Features**
 - Changed the default target execution throttle to 128
 - Increased the maximum SAS depth to 11
 - **Incident Resolutions/Bug Fixes/Changes**
 - Fixed issue counting VSA groups towards the device wait count
 - Fixed issue honoring SSC disable setting
 - Fixed a potential crash that could happen if the target database is full

- **Version 1.05 (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 from a RAID group
 - Converted driver installer to MSI
 - **Incident Resolutions/Bug Fixes/Changes**
 - Fixed atdpm registry lookup for NumSasAddresses on Windows
 - Honor the SGPIO Locate setting in SAS NVRAM
 - Removed x86 support
 - Install atcfg instead of atlocate

- **Version 1.03 (Released 02/08/2022)**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Fixed a rare I/O timeouts issue that could occur in target mode
 - Shortened controller initialization and discovery when PHY settings are adjusted for cable length
 - Fixed a potential crash and/or memory corruption that could occur on Thunderbolt hot plug
 - Added Windows Server 2022 to readme
 - Added Windows 11 to readme
 - Target mode processing is allowed while chip reset discovery is in progress

- **Version 1.02 (Released 06/23/2021)**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Add support for storing and displaying the serial number
 - Remove support for pre-Windows 10/2016
 - Update driver installer to install new signing certificate
 - Lower the amount of time to initialize the adapter when staggered spinup is disabled
 - Report adapter state as "Discovery in progress" while the port is enabling

- **Version 1.01 (Released 01/05/2021)**
 - **Note:** It is recommended that the latest firmware be used with this driver release.
 - **New Features, Enhancements and Changes**
 - Fix initialization of sense buffers associated with commands
 - 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**
 - This is the initial release of the ExpressSAS 12G GT HBA driver for Windows.

3. Known Issues/Advisements

- None

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 |

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.

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
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