

Flash Programming Tool

Release Notes

SUMMARY: This document provides the release notes for Atmosic Flash programming Tool software. It covers package information and new functionality of the release.



Atmosic™

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1. Purpose

This release note provides details on new features/fixes/known issues as part of the Atmosic Flash Programming Tool software release. This software supports the following devices:

ATM2	ATM3	ATM33/e	ATM34
ATM2201-x1x	ATM3201-x1x	ATM3330e-5DCAQN	ATM3430E-2WCAQN
ATM2202-x1x	ATM3202-x1x	ATM3330-5DCAQN	ATM3425-2PCAQK
ATM2221-x1x	ATM3221-x1x	ATM3325-5DCAQK	ATM3405-2PCAQK
ATM2231-x1x	ATM3231-x1x	ATM3325-5LCAQK	
ATM2251-x1x		ATM3325-5DCACM	

2. New Features/Functionality

Version 1.0.0.30

Changes

1. Exclude NVDS checks (only verify FACTORY_DATA) when detecting the Zephyr SDK.
2. Sync Fast load ping-pong mode
3. Add secure debug key checksum verification to the flashing process.
4. Modified the flashing process to support flashing to external flash beyond just the user data bin.
5. [Perth] Tool can't recognize BOARD=ATMKBD atm file
6. EVK is not detected by Flash Programming in non-English operating systems.
7. Sync modify fast_load erase flash process (Increase erasing speed)
8. Enhancement for BOARD and JLinkDevice mapping
9. Fix the missing driver files issue.
10. Support burning Zephyr's image.
11. Support secure debug unlock with USE_STATIC_CHALLENGE

Version 1.0.0.25

Changes

1. Supports increased external Flash programming speed.
2. Move the authenticating process from call_openocd.bat to the TCL script.
3. Unable to retrieve chip information properly when JLINK environment parameters are not configured.
4. Non-selected NVDS and BD_addr, BD_addr will be erased.
5. Unable to retrieve chip information properly when JLINK environment parameters are not configured.

Version 1.0.0.24

Changes

1. No need to pop up the remove window during uninstall.
2. Device Debug windows add local time.
3. Corrected the Address mapping error after removing x0x.
4. Remember the last open atm file location.
5. Modify the judgment that only burns the NVDS file.
6. Synchronize the load bins process in OpenOCD with the MPTOOL.
7. Update the J-Link device name and Improve the occasional failure to read Flash ID through J-Link.
8. Separate ATM34x5 to ATM3405 and ATM3425.

Version 1.0.0.23

Changes

1. Modify fast_load process.
2. Delete ATM2/3 older chip revision-related settings.

Version 1.0.0.22

Changes

1. Reverse the BD address writing order.

Version 1.0.0.21

Changes

1. Fixed boot fails after burning success, need to click reset key again.

Version 1.0.0.20

Changes

1. Support ATM34.

Version 1.0.0.19

Changes

1. Fixed can't get device information when secure debug enabled.
2. Fixed can't control HID_remote after burning success.
3. Add a timeout mechanism when secure debug is enabled.

Version 1.0.0.18

Changes

1. Support the programming of Secure Debug EVB (with the option to select Secure Debug key file and port).
2. Image burning is compatible with SDK 5.4.0.

Version 1.0.0.17

Changes

1. Fixed enable debug log function, if have more log, Tool will crash.

Version 1.0.0.16

Changes

1. Add edit BD address function.

Version 1.0.0.15

Changes

1. Assert the PWD reset process when the J-Link program completes.

Version 1.0.0.14

Changes

1. Users can exclude specific tags when burning NVDS.
2. Fixed the 'unknown property border-style' issue upon tool startup.
3. Add the ota erase process in the J-Link script.(Sydney)
4. The burning method only supports burning All/Without NVDS/NVDS Only.

Revision History

Date	Version	Description
Jan 17, 2025	1.0.0.30	Updated with Flash Programming Tool Release 1.0.0.30.
Feb 15, 2024	1.0.0.25	Updated with Flash Programming Tool Release 1.0.0.25.
Dec 26, 2023	1.0.0.24	Updated with Flash Programming Tool Release 1.0.0.24.
Nov 21, 2023	1.0.0.23	Updated with Flash Programming Tool Release 1.0.0.23.
Nov 8, 2023	1.0.0.22	Updated with Flash Programming Tool Release 1.0.0.22.
Oct 30, 2023	1.0.0.21	Updated with Flash Programming Tool Release 1.0.0.21.
Oct 25, 2023	1.0.0.20	Updated with Flash Programming Tool Release 1.0.0.20.
Sep 5, 2023	1.0.0.19	Updated with Flash Programming Tool Release 1.0.0.19.

July 27, 2023	1.0.0.18	Updated with Flash Programming Tool Release 1.0.0.18.
Jun 26, 2023	1.0.0.17	Updated with Flash Programming Tool Release 1.0.0.27.
May 30, 2023	1.0.0.16	Updated with Flash Programming Tool Release 1.0.0.16.
May 18, 2023	1.0.0.15	Updated with Flash Programming Tool Release 1.0.0.15.
Apr 17, 2023	1.0.0.14	Updated with Flash Programming Tool Release 1.0.0.14.



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