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™

Flash Programming Tool Release Notes
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ATM-RNPT-10036

Table of Contents

1. Purpose **3**
2. New Features/Functionality 3
Version 1.0.0.36 3
Version 1.0.0.35 3
Version 1.0.0.34 4
Version 1.0.0.33 4
Version 1.0.0.32 4
Version 1.0.0.30 4
Version 1.0.0.25 5
Version 1.0.0.24 5
Version 1.0.0.23 5
Version 1.0.0.22 6
Version 1.0.0.21 6
Version 1.0.0.20 6
Version 1.0.0.19 6
Version 1.0.0.18 6
Version 1.0.0.17 7
Version 1.0.0.16 7
Version 1.0.0.15 7
Version 1.0.0.14 7
Revision History 7

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	ATM5
ATM2201-x1x	ATM3201-x1x	ATM3330e-5DCAQN	ATM3430E-5YCAQN	ATM5305-2NC8QK
ATM2202-x1x	ATM3202-x1x	ATM3330-5DCAQN	ATM3405-5WCAQK	ATM5205-2NC8QK
ATM2221-x1x	ATM3221-x1x	ATM3325-5DCAQK	ATM3405-5PCAQK	ATM5305-2NC8BV
ATM2231-x1x	ATM3231-x1x	ATM3325-5LCAQK	ATM3405-5YCABV	ATM5205-2NC8BV
ATM2251-x1x		ATM3325-5DCACM		

2. New Features/Functionality

Version 1.0.0.36

Changes
1. Added support for Linux environments. 2. Add support for ATM52/53 1.1 3. Add baud rate selection to Device Log tab

Version 1.0.0.35

Changes
1. Added support for 5205-NQK and 5305-NBV 2. Fixed an issue where flashing failed when an ATM file contained partitions with duplicate names. 3. Disabled automatic "Erase Whole Flash" and changed the erase operation to be based on the configured Region Size, preventing accidental erasure of the Secure Journal (ATM33/ATM34/ATM5).

Version 1.0.0.34

Changes
4. Support Dump/Erase All (when no ATM file is selected). 5. Support dump offset functionality (to make it easier to align binary contents) 6. Optimize the speed of RRAM dumping. 7. Added support for 5305-NQK

Version 1.0.0.33

Changes
1. Add features(erase and dump).

Version 1.0.0.32

Changes
1. Check if the ATM file has changed before programming and reload if necessary. 2. Fix the issue where a regenerated NVDS file becomes abnormal when the tag data is empty. 3. Added chip_name field and validation mechanism (3405-PQK-5 / 3405-WQK-5) 4. Added support for 3405-PBV-5 5. Separated the erase RRAM process from the erase flash process to avoid issues where RRAM cannot be properly erased when stack flash is not supported.

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. The Tool can't recognize the 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. Revise the logic for the burn NVDS file case.
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 the debug log function to prevent crashes when logging excessive data.

Version 1.0.0.16

Changes
1. Add edit BD address function.

Version 1.0.0.15

Changes
1. Ensure the PWD reset process is executed after 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 for ATM2/3. 4. The burning method only supports burning All/Without NVDS/NVDS Only.

Revision History

Date	Version	Description
Nov 5, 2026	1.0.0.36	Updated with Flash Programming Tool Release 1.0.0.36.

July 17, 2026	1.0.0.35	Updated with Flash Programming Tool Release 1.0.0.35.
Mar 30, 2026	1.0.0.34	Updated with Flash Programming Tool Release 1.0.0.34.
Dec 9, 2025	1.0.0.33	Updated with Flash Programming Tool Release 1.0.0.33.
Aug 15, 2025	1.0.0.32	Updated with Flash Programming Tool Release 1.0.0.32.
Mar 14, 2025	1.0.0.31	Updated with Flash Programming Tool Release 1.0.0.31.
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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