
FlashPro v11.2 Release Notes

FlashPro software is packaged with Libero® Windows software and installed by default. If you install Libero SoC v11.2 for Windows you do not need to install FlashPro standalone.

FlashPro is available as a standalone installation as a convenience for programming-only installations.

Libero SoC v11.2 is a comprehensive software suite for designing with Microsemi's [SmartFusion2](#) and [SmartFusion](#) SoC FPGAs, and [IGLOO2](#), [IGLOO](#), [ProASIC3](#) and [Fusion](#) FPGA families.

Visit the Documents tab on your device page at www.microsemi.com to obtain silicon Datasheets, Silicon User's Guides, Tutorials and Application Notes.

[Development Kits and Starter Kits](#) are available from the Microsemi website.

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Supported Families

IGLOO2, SmartFusion2, SmartFusion, Fusion, ProASIC3, ProASIC3E, ProASIC3L, IGLOO, IGLOOe, IGLOO+, ProASIC+, ProASIC

Programming Support for SmartFusion2 and IGLOO2

Programming file generation is enabled for these devices.

SmartFusion2

M2S050, M2S050S, M2S050T, M2S050TS
M2S025, M2S025S, M2S025T, M2S025TS
M2S010, M2S010S, M2S010T, M2S010TS
M2S005, M2S005S
M2S050T_ES

IGLOO2

M2GL050, M2GL050S, M2GL050T, M2GL050TS
M2GL025, M2GL025S, M2GL025T, M2GL025TS
M2GL010, M2GL010S, M2GL010T, M2GL010TS
M2GL005, M2GL005S

What's New

New Programming Support

Programming file generation is enabled for IGLOO2 M2GL005 and M2GL005S.

SmartFusion2 and IGLOO2 programming file generation on Linux is enabled.

Resolved Issues

Issues Fixed in v11.2

SAR 41668 – SW Update Check window opens in full screen; cannot see buttons.

SAR 51055 – Programming with a programming file that does not contain the fabric erases the design name and checksum.

SAR 47535 – Multiple dialog windows should not open for Programmer Settings, Update eNVM Memory Content and Device I/O States.

Known Limitations, Issues and Workarounds

Programming

SVF for SmartFusion2 and IGLOO2 will be available in a future release.

SAR 52658 – Run Program action in the Libero will not program eNVM after adding a serialization client

If you add a serialization client, then eNVM will not be programmed in the Libero programming flow.

Workaround:

- Export the programming file and program using FlashPro stand-alone. eNVM will be programmed.
OR
- Remove the serialization client

SAR 51423 - Serialization file generation may take a long time

For large designs using eNVM the serialization file generation may take a long time and the resulting programming file may be quite large.

Workaround: Create 2 programming files: one with serialization clients and one without

The will be improved in a future release.

SAR 52006 - Unable to generate the STAPL file with eNVM client of size 3 bytes or less

Workaround: Increase the size of the client to 4 bytes or more.

SAR 51767 - Error: The command 'load_programming_data' failed.

During programming file generation if the serialization content files cannot be found, then you will see the following error : "Error: The command 'load_programming_data' failed."

Workaround: Open **Update eNVM Memory Content** and specify a valid path for each serialization content file.

SAR 562264 - There is no error checking for hex values to ensure min is less than max.

In the eNVM Memory Block dialog box when hex values are entered for min and max in auto increment data no error is reported if min is greater than max.

Error checking works correctly for decimal values.

SAR 45867 - STAPL player for SmartFusion2 or IGLOO2 will be available in a future release**SAR 41069 - Add PDB loading from DDF for Libero environment**

You may get an exit 6 idcode failure when chain programming within Libero using a PDB file.

Workaround: Use a STAPL file or use the standalone FlashPro tool for chain programming

SAR 47452 - FlashPro verify and erase errors are reported as programming failures.

If you run programming ACTION VERIFY/ERASE and there is a failure, then the error code will indicate it is a programming failure even though you were running action VERIFY/ERASE.

SmartDebug

SmartFusion2 devices will read invalid memory content if the MSS is held in the reset state or M3 is executing invalid microcode programmed into the Flash Memory.

Workaround: Program a valid design. Confirm that the MSS is not in the reset state.

SmartDebug SERDES will not work for M2S050PP and ES parts

SmartDebug Tcl commands in the Libero flow will be supported in a future release.

System Requirements

Refer to [System Requirements](#) on the web for more information regarding operating systems support and minimum system requirements. 64-bit OS is required for designing SmartFusion2 and IGLOO2 150/100 devices.

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Installation requires admin privileges

[Windows](#)



Microsemi Corporate Headquarters
One Enterprise, Aliso Viejo CA 92656 USA
Within the USA: +1 (949) 380-6100
Sales: +1 (949) 380-6136
Fax: +1 (949) 215-4996

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