



RELEASE NOTES

JN51xx Production Flash Programmer

JN-SW-4107

Build v1614

NXP Semiconductors

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JN51xx Production Flash Programmer Build 1614

1. Software Components

This release of the JN51xx Production Flash Programmer includes the following components and versions:

Component	Version
JN51xx Production Flash Programmer package	Build 1614

2. Supported Hardware Products

This software release supports the following hardware products:

Chips	Modules	Evaluation Kits
JN5179-001	JN5179-001-M10 JN5179-001-M13 JN5179-001-M16	JN517x-DK005
JN5178-001		
JN5174-001		
JN5169-001	JN5169-001-M00 JN5169-001-M03 JN5169-001-M06	JN516x-EK004
JN5168-001	JN5168-001-M00 JN5168-001-M03 JN5168-001-M05 JN5168-001-M06	JN516x-EK001
JN5164-001		
JN5161-001		

3. Operating System Support

This release of the JN51xx Production Flash Programmer supports the following operating systems.

Microsoft Windows 7 Professional (32bit)	Microsoft Windows 7 Professional (64bit)
Microsoft Windows 7 Enterprise (32bit)	Microsoft Windows 7 Enterprise (64bit)
Microsoft Windows 8 Professional (32bit)	Microsoft Windows 8 Professional (64bit)
Microsoft Windows 8 Enterprise (32bit)	Microsoft Windows 8 Enterprise (64bit)

4. File Integrity

The following table indicates the MD5 checksum of files included in the release.

File	MD5
JN-SW-4107 JN51xx Production Flash Programmer v1614.exe	2ba467c9e5f669a25ca2578d3ac4d4b2

5. Installation

The JN51xx Production Flash Programmer is installed directly from the supplied installer. Please refer to the *JN51xx Production Flash Programmer User Guide (JN-UG-3099)* for the complete process.

6. Release Details

6.1 New Features and Changes

In this release of the JN51xx Production Flash Programmer, the following changes have been made:

- Added support for additional JN517x chip ID variant
- Now writes image header after completing rest of image, so interruption of programming does not leave the device in an invalid state
- Additions to support programming of multiple simultaneous images:
 - Erases flash by default when programming; new argument `--eraseflash` to prevent this
 - New argument `--noreset` to prevent reset after action complete

6.2 Bug Fixes

Internal ID	Description
lpsw7103	Issue: Flash programmer may not program an encrypted image due to image size check Resolution: Fixed

6.3 Modifications Required

None.

6.4 Known Issues

None.

7. Related Documentation

The following user documentation supports this software release:

- JN-UG-3099: JN51xx Production Flash Programmer User Guide

RELEASE HISTORY

8. Build 1365

8.1 New Features and Changes

In this release of the JN51xx Production Flash Programmer, the following changes have been made:

- Added support for the JN517x device family

8.2 Bug Fixes

Internal ID	Description
lpsw6768	Issue: Flash programmer may crash when asked to program a non-existent file Resolution: Fixed

8.3 Modifications Required

None.

8.4 Known Issues

Internal ID	Severity	Description
lpsw7103	Medium	Issue: Flash programmer may not program an encrypted image due to image size check Workaround: None

9. Build 1295

9.1 New Features and Changes

No new features have been added in this release.

9.2 Bug Fixes

This release includes a bug fix for a write error when programming JN5169 devices that have Boot Loader version 0x000B0002 (internal issue number lpsw6310). This was caused by a UART buffer size inconsistency between the Boot Loader and the extension code that is embedded within the programmer. The extension code has now been corrected.

9.3 Modifications Required

The JN516x Production Flash Programmer is installed separately from the previous Flash programmer (JN-SW-4007). Please refer to the JN516x Production Flash Programmer User Guide (JN-UG-3099) for usage details.

9.4 Known Issues

None

10. Build 1275

10.1 New Features and Changes

In this release of the JN516x Production Flash Programmer, the following changes have been made:

- Added support for the JN5169 device
- Displays bootloader version at verbosity level 2 and higher

10.2 Bug Fixes

This release includes a bug fix for license file handling as well as fixes for the following previously known issues:

Internal ID	Description
lpsw4936	Issue: Flash programmer requires FTDI library to be installed. Resolution: The Flash programmer will now fall back to UART-only code if it cannot load the FTDI DLL file.
lpsw5640	Issue: Flash programmer COM ports are case-sensitive with FTDI devices. Resolution: You can now specify the COM ports in any case, even as cOm1.
lpsw5743	Issue: Flash programmer always asks for confirmation when programming the OTP memory. This should be over-ridden for production use. Resolution: You can now use the "-Y" or "--force" command line options to prevent the Flash programmer from asking for confirmation.

10.3 Modifications Required

The JN516x Production Flash Programmer is installed separately from the previous Flash programmer (JN-SW-4007). Please refer to the *JN516x Production Flash Programmer User Guide (JN-UG-3099)* for usage details.

10.4 Known Issues

None

11. Build 1055

11.1 New Features and Changes

This is the first release of the JN516x Production Flash Programmer, a new tool for production and advanced use. The following features are supported:

- Loading binary images into Flash memory, EEPROM and RAM
- Saving the contents of Flash memory and EEPROM to a file
- Erasing EEPROM
- Programming of OTP (one-time programmable) fields in JN516x devices

11.2 Bug Fixes

None (first release)

11.3 Modifications Required

The JN516x Production Flash Programmer is installed separately from the previous Flash programmer (JN-SW-4007). Please refer to the *JN516x Production Flash Programmer User Guide (JN-UG-3099)* for usage details.

11.4 Known Issues

The following known issues remain in this release:

Internal ID	Severity	Description
lpsw4936	Medium	Issue: Flash programmer requires FTDI library to be installed Workaround: Install the FTDI library, as documented in the <i>BeyondStudio for NXP Installation and User Guide (JN-UG-3098)</i>
lpsw5640	High	Issue: Flash programmer COM ports are case-sensitive with FTDI devices Workaround: Always specify the COM port name in uppercase on the command line
lpsw5743	Medium	Issue: Flash programmer always asks for confirmation when programming the OTP memory. This should be over-ridden for production use. Workaround: None