

STM8CubeMX release 1.4.0

Introduction

This release note is updated periodically to keep abreast of STM8CubeMX evolutions, problems and limitations found in this release. Check ST support website at www.st.com/stm8cubemx for its latest version. Refer to the table below for the latest release summary.

Table 1. STM8CubeMX 1.4.0 release summary

Type	Summary
Minor release	<ul style="list-style-type: none">Added support for STM8-SO8-DISCO Discovery board

Customer support

For more information or help concerning STM8CubeMX, contact the nearest sales office or go to the ST online community forum for STM8 MCUs. For a complete list of ST offices and distributors refer to www.st.com.

Software updates

Software updates and all the latest documentation can be downloaded from the STMicroelectronics support webpage at www.st.com/stm8cubemx.

1 General information

1.1 Overview

STM8CubeMX is a tool provided to help designers:

- Find the STM8 microcontroller most suitable for their application, by shortlisting products based on the user selection of peripherals
- Configure the microcontroller (pins, clock tree)
- Select a board and import the compatible pinout configuration
- Generate a report
- Evaluate the power consumption

Note: Please check the latest version of the errata sheet for the STM8 microcontroller device(s) in use or planned to be used. These product limitations may not yet be implemented in the current version of STM8CubeMX. The errata sheets are available on www.st.com.

1.2 Host PC system requirements

Supported operating systems and architectures

- Windows® 7: 32-bit (x86), 64-bit (x64)
- Windows® 8: 32-bit (x86), 64-bit (x64)
- Windows® 10: 32-bit (x86), 64-bit (x64)
- Linux® (tested on Red Hat®, Fedora® and Ubuntu®, 32 and 64 bits)
- macOS® (minimum version OS X® El Capitan)

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Note: Ubuntu® is a registered trademark of Canonical Ltd.

Note: macOS® and OS X® are trademarks of Apple Inc. registered in the U.S. and other countries.

Software requirements

The Java Run Time Environment 1.7 (version 1.7_45 or newer) or 1.8 must be installed. Limited validation is done with Java™ 11. Java™ 9 and Java™ 10 are not supported. After Oracle® announcement related to “End of Public Updates for Oracle JDK 8”, access to OpenJDK is possible via <https://adoptopenjdk.net/>.

More information on installation requirements and procedure can be found in the STM8CubeMX user manual (UM2125).

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1.3 License

STM8CubeMX is delivered under the *Mix Ultimate Liberty + OSS + 3rd party V1* license.

The table below summarizes the software components used in the development of STM8CubeMX and their licenses.

Table 2. List of software components licenses

Name	Version	License type	License URL	Company website
log4j	1.2.17	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org

Name	Version	License type	License URL	Company website
itext	2.0,6	Mozilla public license	http://www.mozilla.org/MPL/MPL-1.1.html	www.mozilla.org
httpClient	4.3.6	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org
jdom	1.1.3	jdom license	https://raw.githubusercontent.com/hunterhacker/jdom/master/LICENSE.txt	raw.githubusercontent.com
json	20140107	json license	http://json.org/license.html	json.org
commons-lang3	3.1	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org
jssc	2.8.0	GNU Lesser General Public License 3.0	http://www.gnu.org/licenses/lgpl-3.0.txt	www.gnu.org
poi	3.17	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org
org.apache.commons.io	2.4	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org
freemarker	2.3.9	BSD style license	http://www.freemarker.org/LICENSE.txt	https://freemarker.apache.org
jfreechart	1.0.13	GNU Lesser General Public License	http://www.gnu.org/licenses/lgpl.txt	www.gnu.org
proxy-vole	1.0.3	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org
semver4j	2.0.2	The MIT license	http://www.opensource.org/licenses/mit-license.php	www.opensource.org
commons-net	3.2	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org
joda-time	2.9.9	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org
ant	1.9.4	Apache license, version 2.0	http://www.apache.org/licenses/LICENSE-2.0.txt	www.apache.org
lzma-sdk-4j	9.22.0	Public domain	http://creativecommons.org/licenses/publicdomain/	creativecommons.org
Swingx	1.6	GNU Lesser General Public License	http://www.gnu.org/licenses/lgpl.txt	www.gnu.org

2 Release information

2.1 Fixed issues

Table 3. Fixed issue table

Id	Summary
56017	Not possible to use LSE for RTC in STM8CubeMX

2.2 Microcontrollers supported by this release

- STM8AF5268Tx, STM8AF5269Tx
- STM8AF5286Ux, STM8AF5288Tx, STM8AF5289Tx, STM8AF528ATx
- STM8AF52A6Ux, STM8AF52A8Tx, STM8AF52A9Tx, STM8AF52AATx
- STM8AF6213Px
- STM8AF6223IPx, STM8AF6223Px, STM8AF6223PxAx, STM8AF6226Tx, STM8AF6226Ux
- STM8AF6246ITx, STM8AF6246(T-U)x, STM8AF6248Tx
- STM8AF6266ITx, STM8AF6266(T-U)x, STM8AF6268Tx, STM8AF6269Tx
- STM8AF6286Tx, STM8AF6288Tx, STM8AF6289Tx, STM8AF628ATx
- STM8AF62A6Ux, STM8AF62A8Tx, STM8AF62A9Tx, STM8AF62AATx
- STM8AL3136Tx, STM8AL3138Tx
- STM8AL3146Tx, STM8AL3148Tx
- STM8AL3166(T-U)x, STM8AL3168Tx
- STM8AL3188Tx, STM8AL3189Tx, STM8AL318ATx
- STM8AL31E8(8-9-A)Tx
- STM8AL3L46Tx, STM8AL3L48Tx
- STM8AL3L66Tx, STM8AL3L68Tx
- STM8AL3L88Tx, STM8AL3L89Tx, STM8AL3L8ATx
- STM8AL3LE8(8-9-A)Tx
- STM8L001J3Mx
- STM8L050J3Mx
- STM8L051F3Px
- STM8L052C6Tx
- STM8L052R8Tx
- STM8L101F1UxA, STM8L101F2(P-U)x, STM8L101F2UxA, STM8L101F3(P-U)x, STM8L101F3UxA
- STM8L101G2Ux, STM8L101G2UxA, STM8L101G3Ux, STM8L101G3UxA
- STM8L101K3(T-U)x
- STM8L151C2Tx, STM8L151C3Tx, STM8L151C4(T-U)x, STM8L151C6(T-U)x, STM8L151C8(T-U)x
- STM8L151F2(P-U)x, STM8L151F3(P-U)x
- STM8L151G2Ux, STM8L151G3Ux, STM8L151G4(U-Y)x, STM8L151G6(U-Y)x
- STM8L151K2Ux, STM8L151K3Ux, STM8L151K4(T-U)x, STM8L151K6(T-U)x
- STM8L151M8Tx
- STM8L151R6Tx, STM8L151R8Tx
- STM8L152C4(T-U)x, STM8L152C6(T-U)x, STM8L152C8(T-U)x
- STM8L152K4(T-U)x, STM8L152K6(T-U)x, STM8L152K8Yx

- STM8L152M8Tx
- STM8L152R6Tx, STM8L152R8Tx
- STM8L162M8Tx
- STM8L162R8Tx
- STM8S003F3(P-U)x
- STM8S001J3Mx
- STM8S003K3Tx
- STM8S005C6Tx
- STM8S005K6Tx
- STM8S007C8Tx
- STM8S103F2(M-P-U)x, STM8S103F3(M-P-U)x
- STM8S103K3(B-T-U)x
- STM8S105C4Tx, STM8S105C6Tx
- STM8S105K4(B-T-U)x, STM8S105K6(B-T-U)x
- STM8S105S4Tx, STM8S105S6Tx
- STM8S207C6Tx, STM8S207C8Tx, STM8S207CBTx
- STM8S207K6Tx, STM8S207K8Tx
- STM8S207M8Tx, STM8S207MBTx
- STM8S207R6Tx, STM8S207R8Tx, STM8S207RBTx
- STM8S207S6Tx, STM8S207S8Tx, STM8S207SBTx
- STM8S208C6Tx, STM8S208C8Tx, STM8S208CBTx
- STM8S208MBTx
- STM8S208R6Tx, STM8S208R8Tx, STM8S208RBTx
- STM8S208S6Tx, STM8S208S8Tx, STM8S208SBTx
- STM8S903F3(M-P-U)x
- STM8S903K3(B-T-U)x

2.3 STM8CubeMX V1.0 release information

- First release of STM8CubeMX

2.4 STM8CubeMX V1.1.0 release information

- Added support of STM8S001J3Mx MCU

2.5 STM8CubeMX V1.2.0 release information

- Added support of STM8L001J3Mx and STM8L050J3Mx MCUs

2.6 STM8CubeMX V1.3.0 release information

- Added support of STM8 Nucleo-64 boards

Revision history

Table 4. Document revision history

Date	Version	Changes
28-Feb-2017	1	Initial release.
24-May-2017	2	Added: <ul style="list-style-type: none"> Information related to STM8CubeMX release 1.1.0 Section STM8CubeMX V1.0 release information
05-Sep-2017	3	Added: <ul style="list-style-type: none"> Information related to STM8CubeMX release 1.2.0 Section STM8CubeMX V1.1.0 release information
22-Jun-2018	4	Added: <ul style="list-style-type: none"> Information related to STM8CubeMX release 1.3.0 Section 1.3 License Section 2.5 STM8CubeMX V1.2.0 release information Updated: <ul style="list-style-type: none"> Logo on the cover page
1-Mar-2019	5	Added: <ul style="list-style-type: none"> Information related to STM8CubeMX release 1.4.0 Fixed issue table Section 2.6 STM8CubeMX V1.3.0 release information

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