

STM8CubeMX release 1.5.0

Introduction

This release note is updated periodically to keep abreast of STM8CubeMX evolutions, problems, and limitations found in this release. Check the 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 1.5.0 release summary

| Type | Summary |
|---------------|---|
| Minor release | <ul style="list-style-type: none">Added support for STM8 Nucleo-32 boards |

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 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 use of 64-bit Java Run Time Environment 1.8_45 or newer is strongly advised. Java™ 7, 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 the installation requirements and the procedure can be found in the STM8CubeMX user manual (UM2125).

Note: Oracle and Java are registered trademarks of Oracle and/or its affiliates.

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 |
| 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.github.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 |
|-------|---------------------------------------|
| 64026 | CCO to be added on PE2 for STM8L052R8 |

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

2.7 **STM8CubeMX V1.4.0 release information**

- Added support for STM8-SO8-DISCO Discovery board

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 |
| 10-Jan-2020 | 6 | Updated: <ul style="list-style-type: none"> Section 1.2 Host PC system requirements on JRE supported versions Fixed issue table Added: <ul style="list-style-type: none"> Information related to STM8CubeMX release 1.5.0 Section 2.7 STM8CubeMX V1.4.0 release information |

Contents

| | | |
|----------|--|----------|
| 1 | General information | 2 |
| 1.1 | Overview | 2 |
| 1.2 | Host PC system requirements | 2 |
| 1.3 | License | 2 |
| 2 | Release information | 4 |
| 2.1 | Fixed issues | 4 |
| 2.2 | Microcontrollers supported by this release | 4 |
| 2.3 | STM8CubeMX V1.0 release information | 6 |
| 2.4 | STM8CubeMX V1.1.0 release information | 6 |
| 2.5 | STM8CubeMX V1.2.0 release information | 6 |
| 2.6 | STM8CubeMX V1.3.0 release information | 6 |
| 2.7 | STM8CubeMX V1.4.0 release information | 6 |
| | Revision history | 7 |

List of tables

| | | |
|-----------------|--|---|
| Table 1. | STM8CubeMX 1.5.0 release summary | 1 |
| Table 2. | List of software components licenses | 3 |
| Table 3. | Fixed issue table | 4 |
| Table 4. | Document revision history | 7 |

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