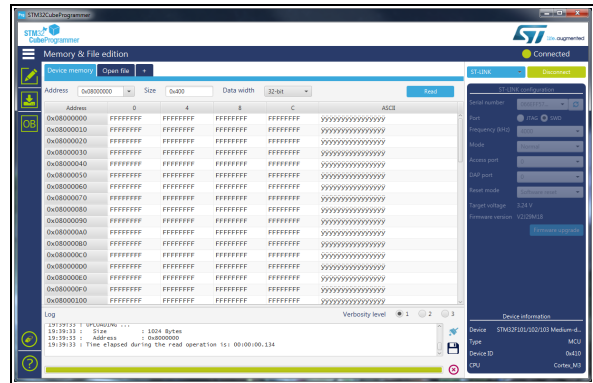


STM32CubeProgrammer all-in-one software tool

Data brief

Features

- Erases, programs, views and verifies the content of the device Flash memory
- Supports Motorola S19, Intel HEX, ELF, and binary formats
- Supports debug and bootloader interfaces:
 - ST-LINK debug probe (JTAG/SWD)
 - UART and USB DFU bootloader interfaces
- Programs, erases and verifies external memories, with examples of external Flash loaders to help users to develop loaders for specific external memories
- Automates STM32 programming (erase, verify, programming, configuring option bytes)
- Allows OTP memory programming
- Supports the programming and configuring of option bytes
- Offers a command-line interface for automation through scripting
- ST-LINK firmware update
- Enables secure firmware creation using the STM32 Trusted Package Creator tool
- Multi-OS support: Windows®, Linux®, macOS®



Description

STM32CubeProgrammer (STM32CUBEPROG) is an all-in-one multi-OS software tool for programming STM32 microcontrollers.

It provides an easy-to-use and efficient environment for reading, writing and verifying device memory through both the debug interface (JTAG and SWD) and the bootloader interface (UART and USB).

STM32CubeProgrammer offers a wide range of features to program STM32 microcontroller internal memories (such as Flash, RAM, and OTP) as well as external memories.

STM32CubeProgrammer also allows option programming and upload, programming content verification, and microcontroller programming automation through scripting.

STM32CubeProgrammer is delivered in GUI (graphical user interface) and CLI (command-line interface) versions.



Ordering Information

STM32CUBEPROG is available for free download from the www.st.com website.

License

The STM32CUBEPROG package is delivered under the *Mix Ultimate Liberty + OSS + 3rd party V1* license. It supports STM32 32-bit microcontrollers based on the Arm[®] Cortex[®]-M processor.



The software components provided in this package come with different license schemes as shown in [Table 1](#).

Table 1. List of software component licenses

Name	Owner	License type
Java SE	Oracle [®]	Oracle Binary Code License Agreement
Java Native Access	JNA community	Apache License, Version 2.0
Izpack	izpack	Apache License, Version 2.0
Qt framework	The Qt Company	LGPLv3
LibUSB	Libusb Community	LGPLv2

For more details, refer to the license agreement of each component. For component version and location, refer to the release note (RN0109).

Revision history

Table 2. Document revision history

Date	Revision	Changes
14-Dec-2017	1	Initial release.

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