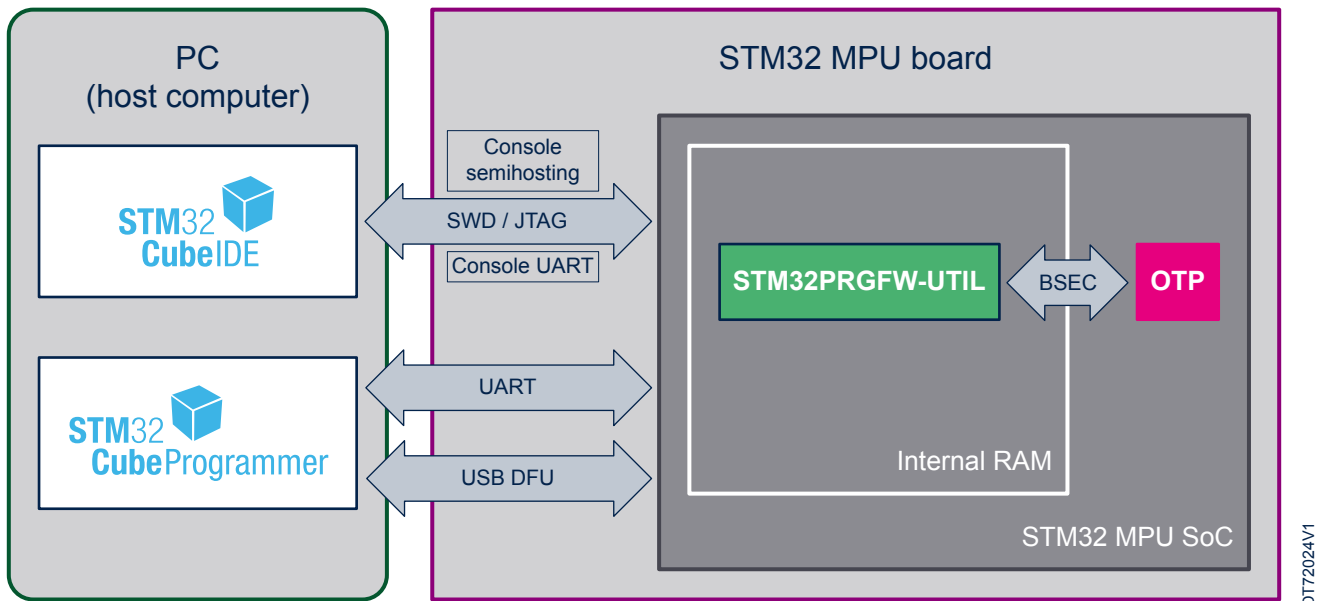# Firmware package for one-time programmable (OTP) management on STM32 microprocessors

Product status link
STM32PRGFW-UTIL

Features

- Applicable to hardware projects based on the STM32 microprocessors
- Usable as:
  - STM32CubeProgrammer-based (STM32CubeProg) application
  - STM32CubeIDE standalone application
  - UART configuration for the standalone application (development purpose)
  - STM32CubeProgrammer application in the run mode (development purpose)
- STM32CubeProgrammer-based application (in the serial boot mode)
  - OTP v2 structure
  - STM32CubeProgrammer UART interface and USB DFU
- OTP console-based application (in the development boot mode)
  - OTP command-line interface (CLI) based on the STM32CubeProgrammer OTP CLI with the OTP v2 structure
  - UART and STM32CubeIDE semihosting interface

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www.st.com

Description

STM32PRGFW-UTIL provides a series of applications to manage the one-time programmable (OTP) memories of the STM32 microprocessors.

The STM32PRGFW-UTIL functionalities are available through STM32CubeProgrammer-based (STM32CubeProg) and STM32CubeIDE standalone applications. For a development purpose, they are also available in the UART configuration for the standalone application, and in the run mode for the STM32CubeProgrammer application.

The STM32PRGFW-UTIL is proposed in a software package that includes CMSIS, HAL drivers, OpenBootloader, a USB Device library, and project examples. It contains a readme file that details its architecture, design, and how to use it.

1 General information

1.1 Ordering information

STM32PRGFW-UTIL is available for free download from the *www.st.com* website. It is also available from GitHub at github.com/STMicroelectronics.

1.2 License

STM32PRGFW-UTIL is delivered under the *Mix Ultimate Liberty+OSS+3rd-party V1* software license agreement (SLA0048).

The software components provided in this package come with different license schemes as shown in Table 1.

Table 1. Software component license agreements

Software component	Copyright	License
Arm® Cortex®-A CMSIS	Arm Limited	Apache License 2.0
STM32MPx CMSIS	Arm Limited - STMicroelectronics	Apache License 2.0
STM32MPx HAL	STMicroelectronics	BSD-3-Clause
OpenBootloader	STMicroelectronics	Proprietary
STM32_USB_Device_Library	STMicroelectronics	Proprietary
Application projects	STMicroelectronics	Proprietary

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Revision history

Table 2. Document revision history

Date	Revision	Changes
8-Mar-2023	1	Initial release.

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