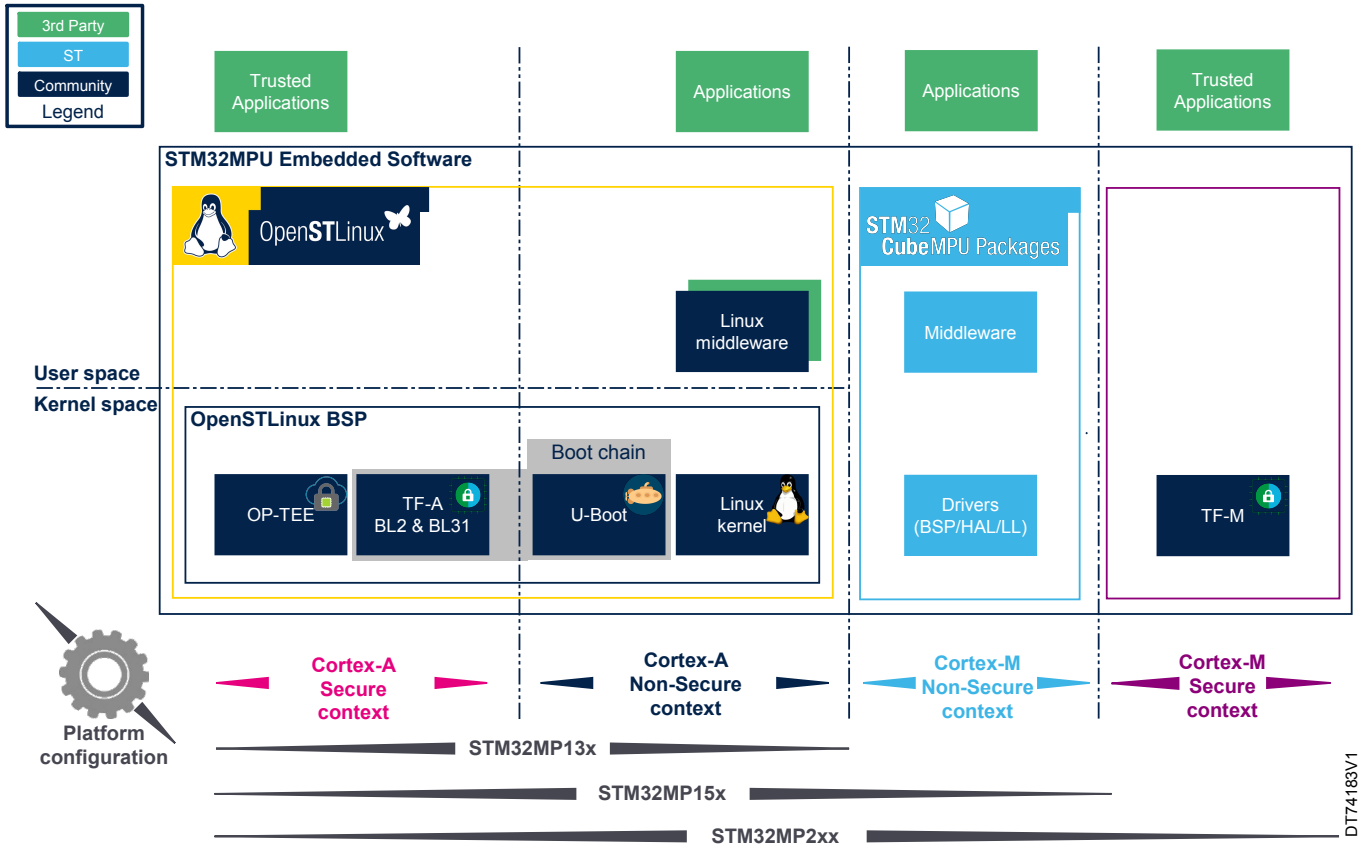


STM32MP2 OpenSTLinux Starter Package



Product status link

[STM32MP2Starter](#)



DT50995V1

Features

- OpenSTLinux distribution, running on the Arm® Cortex®-A
 - OpenSTLinux BSP with:
 - Boot chain based on TF-A BL2 and U-Boot
 - Secure monitor based on TF-A BL31 or OP-TEE depending on Cortex®-A architecture, running on the Arm® Cortex®-A in secure mode
 - OP-TEE secure OS running on the Arm® Cortex®-A in secure mode
 - Linux® kernel running on the Arm® Cortex®-A in non-secure mode
 - Linux middleware relying on the BSP to provide API to the applications that typically interacts with the user via the display or the touchscreen
 - On OP-TEE side, the trusted applications (TA) relying on the OP-TEE core for secrets operations (not visible from the Linux and other software components)
- Composition of the firmware running on Arm® Cortex®-M and depending on Arm® Cortex®-M architecture:
 - STM32Cube MPU package running on the Arm® Cortex®-M non secure mode: based on HAL drivers and middleware, like STM32 microcontrollers, completed with coprocessor management for interaction with the Cortex-A
 - Trusted firmware Cortex-M secure OS running on the Arm® Cortex®-M in secure mode: provides local secure services to STM32Cube MPU package

Description

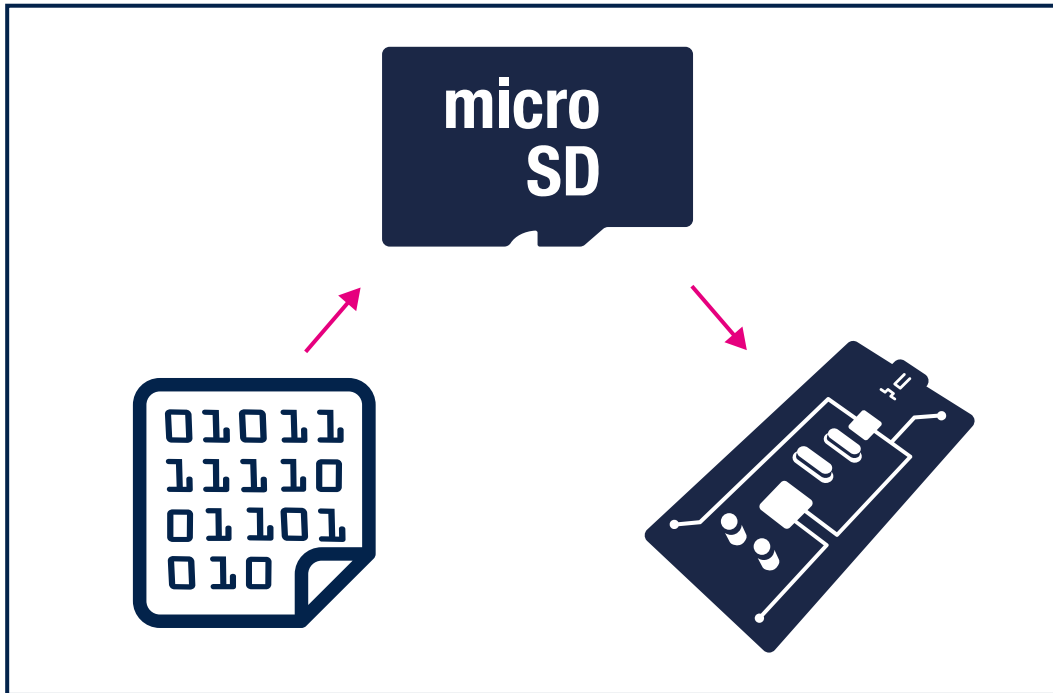
The Starter Package provides the software image for the STM32MPU embedded software distribution. It includes the binaries for the OpenSTLinux distribution and several firmware example(s) for the STM32Cube MPU package. The STM32CubeProgrammer tool is used to install this image on the STM32MP25 evaluation board.

1 General information

The STM32MP2Starter package runs on STM32 MPUs based on Arm® Cortex® cores.

Note: Arm is a registered trademark of Arm Limited (or its subsidiaries) in the US and/or elsewhere.

Figure 1. STM32MPU embedded software Starter Package



DT74184V1

1.1 Ordering information

STM32MP2Starter is available for free download from the www.st.com website.

1.2 License

STM32MP2Starter is delivered under the *Mix Ultimate Liberty+OSS+3rd-party V1* software license agreement (SLA0048).

Revision history

Table 1. Document revision history

Date	Version	Changes
27-Jun-2024	1	Initial release.

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