



STM32MP1 Developer Package - debug symbol files

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This article provides the following information:

- How to download and install the **latest** debug symbol files (for Linux kernel, U-Boot, TF-A and OP-TEE OS) for the STM32 microprocessor Series used
- Where to find the associated release note



To use this package efficiently, please read the Developer Package article relative to your STM32 microprocessors Series: Category:Developer Package



1 STM32MP15-Ecosystem-v3.0.0 release

- The STM32MP1 debug symbol files is delivered through a tarball file named **en.DEBUG-stm32mp1-openstlinux-5.10-dunfell-mp1-21-03-31.tar.xz** for STM32MP157x-EV1 and STM32MP157x-DKx boards.
- Download and install the STM32MP1 debug symbol files

The software package is provided AS IS, and by downloading it, you agree to be bound to the terms of the [software license agreement \(SLA\)](#). The detailed content licenses can be found [here](#).



To download a package, it is recommended to be logged in to your "myst" account [1]. If, trying to download, you encounter a "403 error", you could try to empty your browser cache to workaround the problem. We are working on the resolution of this problem.
We apologize for this inconvenience

STM32MP1 Developer Package debug symbol files - STM32MP15-Ecosystem-v3.0.0 release	
Download	You need to be logged on to my.st.com before accessing the following link en.DEBUG-stm32mp1-openstlinux-5.10-dunfell-mp1-21-03-31.tar.xz
Installation	<ul style="list-style-type: none"> Go to the host PC directory in which you want to install the Developer Package (<<i>Developer Package installation directory</i>>); if you follow the proposition to organize the working directory, this means: <pre>PC \$> cd <working directory path>/Developer-Package</pre> Download the tarball file in this directory Uncompress the tarball file to get the debug symbol files (for Linux kernel, U-Boot, TF-A and OP-TEE OS): <pre>PC \$> tar xvf en.DEBUG-stm32mp1-openstlinux-5.10-dunfell-mp1-21-03-31.tar.xz</pre>
Release note	If you are interested in older releases, please have a look into the section Archives .

- The debug symbol files are in the <*Developer Package installation directory*>/stm32mp1-openstlinux-5.10-dunfell-mp1-21-03-31/images/stm32mp1 *directory*:

```
stm32mp1
├── arm-trusted-firmware
│   └── debug
│       └── tf-a-bl2-emmc.elf
```

Debug symbol file for TF-A → TF-A for emmc boot stage



```

├── tf-a-bl2-nand.elf
Debug symbol file for TF-A → TF-A for nand boot stage
├── tf-a-bl2-nor.elf D
Debug symbol file for TF-A → TF-A for nor boot stage
├── tf-a-bl2-sdcard.elf Debug
symbol file for TF-A → TF-A for SDcard boot stage
├── tf-a-bl2-uart.elf
Debug symbol file for TF-A → TF-A for UART
downloading boot stage
├── tf-a-bl2-usb.elf D
Debug symbol file for TF-A → TF-A for USB downloading
boot stage
├── kernel
│   └── vmlinux Debug
symbol file for Linux kernel
├── optee
│   └── debug
│       ├── tee-stm32mp157a-dk1.elf De
bug symbol file for OP-TEE OS → STM32MP15 Discovery
kits
│       ├── tee-stm32mp157a-ev1.elf De
bug symbol file for OP-TEE OS → STM32MP15 Evaluation
boards
│       ├── tee-stm32mp157c-dk2.elf De
bug symbol file for OP-TEE OS → STM32MP15 Discovery
kits
│       ├── tee-stm32mp157c-ed1.elf De
bug symbol file for OP-TEE OS → STM32MP15 Evaluation
boards
│       ├── tee-stm32mp157c-ev1.elf De
bug symbol file for OP-TEE OS → STM32MP15 Evaluation
boards
│       ├── tee-stm32mp157d-dk1.elf De
bug symbol file for OP-TEE OS → STM32MP15 Discovery
kits
│       ├── tee-stm32mp157d-ev1.elf De
bug symbol file for OP-TEE OS → STM32MP15 Evaluation
boards
│       ├── tee-stm32mp157f-dk2.elf De
bug symbol file for OP-TEE OS → STM32MP15 Discovery
kits
│       ├── tee-stm32mp157f-ed1.elf De
bug symbol file for OP-TEE OS → STM32MP15 Evaluation
boards
│       └── tee-stm32mp157f-ev1.elf De
bug symbol file for OP-TEE OS → STM32MP15 Evaluation
boards
├── u-boot
│   └── debug
│       ├── u-boot-stm32mp157a-dk1-trusted.
elf Debug symbol file for U-Boot → STM32MP15
Discovery kits
│       ├── u-boot-stm32mp157a-ev1-trusted.
elf Debug symbol file for U-Boot → STM32MP15
Evaluation boards
│       └── u-boot-stm32mp157c-dk2-trusted.

```



```
elf      Debug symbol file for U-Boot → STM32MP15
Discovery kits
  └─ u-boot-stm32mp157c-ed1-trusted.
elf      Debug symbol file for U-Boot → STM32MP15
Evaluation boards
  └─ u-boot-stm32mp157c-ev1-trusted.
elf      Debug symbol file for U-Boot → STM32MP15
Evaluation boards
  └─ u-boot-stm32mp157d-dk1-trusted.
elf      Debug symbol file for U-Boot → STM32MP15
Discovery kits
  └─ u-boot-stm32mp157d-ev1-trusted.
elf      Debug symbol file for U-Boot → STM32MP15
Evaluation boards
  └─ u-boot-stm32mp157f-dk2-trusted.
elf      Debug symbol file for U-Boot → STM32MP15
Discovery kits
  └─ u-boot-stm32mp157f-ed1-trusted.
elf      Debug symbol file for U-Boot → STM32MP15
Evaluation boards
  └─ u-boot-stm32mp157f-ev1-trusted.
elf      Debug symbol file for U-Boot → STM32MP15
Evaluation boards
```



2 Archives

This wiki is for the v3 ecosystem releases. For information about the previous ecosystem releases, please go through the Wiki archives.

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Das U-Boot -- the Universal Boot Loader (see [U-Boot_overview](#))

Trusted Firmware for Arm[®] Cortex[®]-A

Open Portable Trusted Execution Environment

Operating System

Universal Asynchronous Receiver/Transmitter