



STM32MP1 Developer Package - Linux kernel



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STM32MP1 Developer Package - Linux kernel

Stable: 11.03.2020 - 15:22 / Revision: 11.03.2020 - 13:53

This article provides the following information:

- How to download and install the **latest** Linux kernel for the STM32 microprocessor Series used
- Where to find the associated release note
- Where to find the previous releases (archives)



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

1 STM32MP15-Ecosystem-v1.1.0 release

- The STM32MP1 Linux kernel is delivered through a tarball file named :
 - **en.SOURCES-kernel-stm32mp1-openstlinux-4.19-thud-mp1-19-10-09.tar.xz** for STM32MP157C-EV1 and STM32MP157X-DKX boards
- Download and install the STM32MP1 Linux kernel

By downloading this software package, you agree to be bound to the terms of the [software license agreement \(SLA\)](#). The detailed content licenses can be found [here](#).

STM32MP1 Developer Package Linux kernel - STM32MP15-Ecosystem-v1.1.0 release	
Down load	You need to be logged on to my.st.com before accessing the following link en.SOURCES-kernel-stm32mp1-openstlinux-4.19-thud-mp1-19-10-09.tar.xz
Install ation	<ul style="list-style-type: none"> • Go to the host PC directory in which you want to install the Developer Package (<Developer Package installation directory>); if you follow the proposition to organize the working directory, this means: <pre style="border: 1px dashed black; padding: 5px;">\$ cd <working directory path>/Developer-Package</pre> <ul style="list-style-type: none"> • Download the tarball file in this directory • Uncompress the tarball file to get the Linux kernel (Linux kernel source code, ST patches, ST configuration fragments...): <pre style="border: 1px dashed black; padding: 5px;">\$ tar xvf en.SOURCES-kernel-stm32mp1-openstlinux-4.19-thud-mp1-19-10-09.tar.xz \$ cd stm32mp1-openstlinux-4.19-thud-mp1-19-10-09/sources/arm-openstlinux_weston-linux-gnueabi/linux-stm32mp-4.19-r0/ \$ tar xvf linux-4.19.49.tar.xz</pre>



Release note	Details of the content of the Linux kernel are available in the associated STM32MP15 OpenSTLinux release note . If you are interested in older releases, please have a look into the section Archives .
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- The **Linux kernel installation directory** is in the `<Developer Package installation directory>/stm32mp1-openstlinux-4.19-thud-mp1-19-10-09/sources/arm-openstlinux_weston-linux-gnueabi` directory, and is named `linux-stm32mp-<kernel version>`:

<code>linux-stm32mp-4.19-r0</code>	Linux kernel installation directory
<code> — [*].patch</code>	ST patches to apply during the Linux kernel preparation (see next chapter)
<code> — fragment-[*].config</code>	ST configuration fragments to apply during the Linux kernel configuration (see next chapter)
<code> — linux-4.19.49</code>	Linux kernel source code directory
<code> — linux-4.19.49.tar.xz</code>	Tarball file of the Linux kernel source code
<code> — README.HOW_TO.txt</code>	Helper file for Linux kernel management: reference for Linux kernel build
<code> — series</code>	List of all ST patches to apply

2 Archives

2.1 STM32MP15-Ecosystem-v1.0.0 release

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	<ul style="list-style-type: none"> Go to the host PC directory in which you want to install the Developer Package (<code><Developer Package installation directory></code>); if you follow the proposition to organize the working directory, this means: <div style="border: 1px dashed black; padding: 5px; margin: 10px 0;"> <pre>\$ cd <working directory path>/Developer-Package</pre> </div> Download the tarball file in this directory



STM32MP1 Developer Package Linux kernel - STM32MP15-Ecosystem-v1.0.0 release	
Installation	<ul style="list-style-type: none">Uncompress the tarball file to get the Linux kernel (Linux kernel source code, ST patches, ST configuration fragments...): <pre>\$ tar xvf en.SOURCES-kernel-stm32mp1-openstlinux-4.19-thud-mp1-19-02-20.tar.xz \$ cd stm32mp1-openstlinux-4.19-thud-mp1-19-02-20/sources/arm-openstlinux_weston-linux-gnueabi/linux-stm32mp-4.19-r0/ \$ tar xvf linux-4.19.9.tar.xz</pre>
Release note	Details of the content of the Linux kernel are available in the associated STM32MP15 OpenSTLinux release note .

- The **Linux kernel installation directory** is in the `<Developer Package installation directory>/stm32mp1-openstlinux-4.19-thud-mp1-19-02-20/sources/arm-openstlinux_weston-linux-gnueabi` directory, and is named `linux-stm32mp-<kernel version>`:

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<code> — fragment-[*].config</code>	ST configuration fragments to apply during the Linux kernel configuration (see next chapter)
<code> — linux-4.19.9</code>	Linux kernel source code directory
<code> — linux-4.19.9.tar.xz</code>	Tarball file of the Linux kernel source code
<code> — README.HOW_TO.txt</code>	Helper file for Linux kernel management: reference for Linux kernel build
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Category:Developer Package

This category groups together all articles related to a Developer Package (whatever the microprocessor device and the board).

The Developer Package is specified in the [Which Package better suits your needs](#) article.

Pages in category "Developer Package"

The following 3 pages are in this category, out of 3 total.



H

- [How to cross-compile with the Developer Package](#)

S

- [STM32MP1 Developer Package](#)
- [STM32MP1 Developer Package for Android](#)

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STM32 microprocessors Series: Category:Developer Package

1 STM32MP15-Ecosystem-v1.1.0 release

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linux-stm32mp-4.19-r0	Linux kernel installation directory
├─ [*].patch	ST patches to apply during the Linux kernel preparation (see next chapter)
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├─ linux-4.19.49	Linux kernel source code directory
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├─ README.HOW_TO.txt	Helper file for Linux kernel management: reference for Linux kernel build
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2 Archives

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```
linux-stm32mp-4.19-r0      Linux kernel installation directory
├── [*].patch              ST patches to apply during the Linux kernel preparation (see
next chapter)
├── fragment-[*].config   ST configuration fragments to apply during the Linux kernel
configuration (see next chapter)
├── linux-4.19.9          Linux kernel source code directory
├── linux-4.19.9.tar.xz   Tarball file of the Linux kernel source code
├── README.HOW_TO.txt    Helper file for Linux kernel management: reference for Linux
kernel build
└── series                List of all ST patches to apply
```

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