



# STM32MP1 Developer Package - Linux kernel



# STM32MP1 Developer Package - Linux kernel

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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 <a href="#">my.st.com</a> before accessing the following link <a href="#">en.SOURCES-kernel-stm32mp1-openstlinux-4.19-thud-mp1-19-10-09.tar.xz</a>
Install ation	<ul style="list-style-type: none"><li>• Go to the host PC directory in which you want to install the Developer Package (&lt;Developer Package installation directory&gt;); if you follow the proposition to organize the working directory, this means:<pre>\$ cd &lt;working directory path&gt;/Developer-Package</pre></li><li>• Download the tarball file in this directory</li><li>• 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-mp1-19-10-09.tar.xz</pre><pre>\$ cd stm32mp1-openstlinux-4.19-thud-mp1-19-10-09/sources/arm-openstlinux_weston-linux-gnueabi/linux-stm32mp-4.19-r0/</pre><pre>\$ tar xvf linux-4.19.49.tar.xz</pre></li></ul>



Release note	<p>Details of the content of the Linux kernel are available in the <b>associated</b> STM32MP15 OpenSTLinux release <a href="#">note</a>.</p> <p>If you are interested in older releases, please have a look into the section <a href="#">Archives</a>.</p>
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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>`:

<pre> linux-stm32mp-4.19-r0 ├── [*].patch ├── fragment-[*].config ├── linux-4.19.49 ├── linux-4.19.49.tar.xz ├── README.HOW_TO.txt └── series </pre>	<p><b>Linux kernel installation directory</b> ST patches to apply during the Linux kernel preparation (see <a href="#">next chapter</a>)</p> <p><b>ST configuration fragments to apply during the Linux kernel configuration (see next chapter)</b></p> <p><b>Linux kernel source code directory</b> Tarball file of the Linux kernel source code</p> <p><b>Helper file for Linux kernel management: reference for Linux kernel build</b></p> <p><b>List of all ST patches to apply</b></p>
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## 2 Archives

### 2.1 STM32MP15-Ecosystem-v1.0.0 release

- The STM32MP1 Linux kernel is delivered through a tarball file named :
  - en.SOURCES-kernel-stm32mp1-openstlinux-4.19-thud-mp1-19-02-20.tar.xz** for STM32MP157C-EV1 and STM32MP157X-DKX boards
- Download and install the STM32MP1 Linux kernel

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STM32MP1 Developer Package Linux kernel - STM32MP15-Ecosystem-v1.0.0 release	
Download	<p>You need to be logged on to <a href="#">my.st.com</a> before accessing the following link <a href="#">en.SOURCES-kernel-stm32mp1-openstlinux-4.19-thud-mp1-19-02-20.tar.xz</a></p>
	<ul style="list-style-type: none"> <li>Go to the host PC directory in which you want to install the Developer Package (<code>&lt;Developer Package installation directory&gt;</code>); if you follow the proposition to organize the working directory, this means:           <div style="border: 1px dashed gray; padding: 5px; margin: 10px 0;"> <pre>\$ cd &lt;working directory path&gt;/Developer-Package</pre> </div> </li> <li>Download the tarball file in this directory</li> </ul>



STM32MP1 Developer Package Linux kernel - STM32MP15-Ecosystem-v1.0.0 release	
Installation	<ul style="list-style-type: none"><li>Uncompress the tarball file to get the Linux kernel (Linux kernel source code, ST patches, ST configuration fragments...):</li></ul> <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 <a href="#">associated STM32MP15 OpenSTLinux release note</a> .

- 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>*:

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