



STM32MP15 Discovery kits - required material



## STM32MP15 Discovery kits - required material

Stable: 16.10.2019 - 08:20 / Revision: 16.10.2019 - 08:20

This article aims to present the mandatory and optional material needed for an STM32MP157x-DKx Discovery kit. It is valid both for the STM32MP157A-DK1 and STM32MP157C-DK2 Discovery kits: the part numbers are specified in the STM32MP15 microprocessor part numbers article.



**For assistance with starting up the boards, it is recommended to go through the related Starter Package articles: [Category:Starter Package](#)**

### Mandatory

PC	<b>Linux or Windows operating systems. See <a href="#">PC prerequisites</a> for more details on the required configurations.</b>
<b>STM32MP157x-DKx Discovery kit</b> ( <a href="#">STM32MP157A-DK1</a> or <a href="#">STM32MP157c-DK2</a> )	Flexible and complete development platform for the STM32MP15 microprocessor device including: <ul style="list-style-type: none"><li>• a MB1272 motherboard</li><li>• a MB1407 daughterboard (480x800 pixels DSI display): only for the STM32MP157C-DK2 Discovery kit</li></ul>
Power supply	Including: <ul style="list-style-type: none"><li>• a USB Type-C<sup>®</sup> cable (delivered in the packages)</li><li>• a USB Type-C<sup>®</sup> charger (5 V, 3 A) (not delivered in the packages)</li></ul>
MicroSD card	Populated with OpenSTLinux distribution (Linux software), and providing extra storage capacity. A 2-Gbyte minimum microSD card is needed.
USB micro-B cable	In order to connect the STM32MP157x-DKx Discovery kit to the PC through the USB micro-B (ST-LINK/V2-1) connector
USB Type-C <sup>®</sup> cable	In order to connect the STM32MP157x-DKx Discovery kit to an USB OTG device through the USB Type-C <sup>®</sup> connector

### Optional

	<b>Thanks to the USB type A connectors, the STM32MP157x-DKx Discovery kit can be</b>
--	--



## STM32MP15 Discovery kits - required material

USB keyboard and mouse	equipped with a full-size keyboard and mouse
Ethernet cable	In order to connect the STM32MP157x-DKx Discovery kit to a network through the RJ45 connector
HDMI cable	In order to connect the STM32MP157x-DKx Discovery kit to an HDMI monitor (or TV) through the HDMI connector

**Optional**, more devices and extension boards might be plugged to the STM32MP157x-DKx Discovery kit thanks to expansion connectors such as:

- the GPIO expansion connector
- the Arduino Uno connector
- ...

Display Serial Interface (MIPI<sup>®</sup> Alliance standard)

USB port or connector

USB On-The-Go (Capability/type of USB port, acting primarily as USB device, to also act as USB host. Also known as USB OTG.)

High-Definition Multimedia Interface (HDMI standard)

General-Purpose Input/Output (A realization of open ended transmission between devices on an embedded level. These pins available on a processor can be programmed to be used to either accept input or provide output to external devices depending on user desires and applications requirements.)