



STM32MP15 Discovery kits - required material



Contents

1. STM32MP15 Discovery kits - required material	3
2. STM32MP15 microprocessor	4
3. Category:Starter Package	5
4. PC prerequisites	7
5. MB1272	8
6. MB1407	9

STM32MP15 Discovery kits - required material

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

A [quality version](#) of this page, [accepted](#) on 16 October 2019, was based off this revision.

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	Linux or Windows operating systems. See PC prerequisites for more details on the required configurations.
STM32MP157x-DKx Discovery kit (STM32MP157A-DK1 or STM32MP157c-DK2)	Flexible and complete development platform for the STM32MP15 microprocessor device including: <ul style="list-style-type: none"> • a MB1272 motherboard • a MB1407 daughterboard (480x800 pixels DSI display): only for the STM32MP157C-DK2 Discovery kit
Power supply	Including: <ul style="list-style-type: none"> • a USB Type-C™ cable (delivered in the packages) • a USB Type-C™ charger (5 V, 3 A) (not delivered in the packages)
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™ cable	In order to connect the STM32MP157x-DKx Discovery kit to an USB OTG device through the USB Type-C™ connector

Optional

USB keyboard and mouse	Thanks to the USB type A connectors, the STM32MP157x-DKx Discovery kit can be 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



STM32MP15 Discovery kits - required material

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® 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.)

STM32MP15 Discovery kits - required material

Stable: 21.02.2020 - 08:35 / Revision: 12.02.2020 - 11:01

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



STM32MP15 Discovery kits - required material

USB micro-B cable	the USB micro-B (ST-LINK/V2-1) connector
USB Type-C™ cable	In order to connect the STM32MP157x-DKx Discovery kit to an USB OTG device through the USB Type-C™ connector

Optional

USB keyboard and mouse	Thanks to the USB type A connectors, the STM32MP157x-DKx Discovery kit can be 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® 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.)

STM32MP15 Discovery kits - required material

Stable: 17.06.2020 - 15:27 / Revision: 16.01.2020 - 13:43

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

	Linux or Windows operating systems. See PC prerequisites for more details
--	---



STM32MP15 Discovery kits - required material

PC	on the required configurations.
STM32MP157x-DKx Discovery kit (STM32MP157A-DK1 or STM32MP157c-DK2)	Flexible and complete development platform for the STM32MP15 microprocessor device including: <ul style="list-style-type: none">• a MB1272 motherboard• a MB1407 daughterboard (480x800 pixels DSI display): only for the STM32MP157C-DK2 Discovery kit
Power supply	Including: <ul style="list-style-type: none">• a USB Type-C™ cable (delivered in the packages)• a USB Type-C™ charger (5 V, 3 A) (not delivered in the packages)
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™ cable	In order to connect the STM32MP157x-DKx Discovery kit to an USB OTG device through the USB Type-C™ connector

Optional

USB keyboard and mouse	Thanks to the USB type A connectors, the STM32MP157x-DKx Discovery kit can be 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® 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.)

Pages in category "Starter Package"

The following 4 pages are in this category, out of 4 total.

S

- [STM32MP15 Discovery kits - Starter Package](#)
- [STM32MP15 Discovery kits - Starter Package for Android](#)
- [STM32MP15 Evaluation boards - Starter Package](#)
- [STM32MP15 Evaluation boards - Starter Package for Android](#)

STM32MP15 Discovery kits - required material

Stable: 29.06.2020 - 09:25 / Revision: 23.06.2020 - 09:27

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	Linux or Windows operating systems. See PC prerequisites for more details on the required configurations.
STM32MP157x-DKx Discovery kit (STM32MP157A-DK1 or STM32MP157c-DK2)	Flexible and complete development platform for the STM32MP15 microprocessor device including: <ul style="list-style-type: none"> • a MB1272 motherboard • a MB1407 daughterboard (480x800 pixels DSI display): only for the STM32MP157C-DK2 Discovery kit
Power supply	Including: <ul style="list-style-type: none"> • a USB Type-C™ cable (delivered in the packages) • a USB Type-C™ charger (5 V, 3 A) (not delivered in the packages)
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™ cable	In order to connect the STM32MP157x-DKx Discovery kit to an USB OTG device through the USB Type-C™ connector



STM32MP15 Discovery kits - required material

Optional

USB keyboard and mouse	Thanks to the USB type A connectors, the STM32MP157x-DKx Discovery kit can be 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[®] 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.)

STM32MP15 Discovery kits - required material

Stable: 15.06.2020 - 10:52 / Revision: 15.06.2020 - 10:51

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	Linux or Windows operating systems. See PC prerequisites for more details on the required configurations.
STM32MP157x-DKx Discovery kit	Flexible and complete development platform for the STM32MP15 microprocessor device including: <ul style="list-style-type: none">• a MB1272 motherboard



STM32MP15 Discovery kits - required material

(STM32MP157A-DK1 or STM32MP157c-DK2)	<ul style="list-style-type: none">• a MB1407 daughterboard (480x800 pixels DSI display): only for the STM32MP157C-DK2 Discovery kit
Power supply	Including: <ul style="list-style-type: none">• a USB Type-C™ cable (delivered in the packages)• a USB Type-C™ charger (5 V, 3 A) (not delivered in the packages)
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™ cable	In order to connect the STM32MP157x-DKx Discovery kit to an USB OTG device through the USB Type-C™ connector

Optional

USB keyboard and mouse	Thanks to the USB type A connectors, the STM32MP157x-DKx Discovery kit can be 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® 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.)

STM32MP15 Discovery kits - required material

Stable: 15.06.2020 - 10:42 / Revision: 15.06.2020 - 10:41



STM32MP15 Discovery kits - required material

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	Linux or Windows operating systems. See PC prerequisites for more details on the required configurations.
STM32MP157x-DKx Discovery kit (STM32MP157A-DK1 or STM32MP157C-DK2)	Flexible and complete development platform for the STM32MP15 microprocessor device including: <ul style="list-style-type: none">• a MB1272 motherboard• a MB1407 daughterboard (480x800 pixels DSI display): only for the STM32MP157C-DK2 Discovery kit
Power supply	Including: <ul style="list-style-type: none">• a USB Type-C™ cable (delivered in the packages)• a USB Type-C™ charger (5 V, 3 A) (not delivered in the packages)
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™ cable	In order to connect the STM32MP157x-DKx Discovery kit to an USB OTG device through the USB Type-C™ connector

Optional

USB keyboard and mouse	Thanks to the USB type A connectors, the STM32MP157x-DKx Discovery kit can be 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
- ...



STM32MP15 Discovery kits - required material

Display Serial Interface (MIPI[®] 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.)