



Category:STM32 MPU technical literature

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A quality version of this page, approved on *11 September 2020*, was based off this revision.

This category groups together all articles related to the STMicroelectronics documents about the STM32 MPUs, that are stored outside this user guide.





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## Subcategories

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This category has only the following subcategory.

- STM32 MPU technical literature archives (3 P)



## Pages in category "STM32 MPU technical literature"

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

- [Draft:Category:STM32 MPU technical literature archives](#)
- [STM32MP15 resources](#)
- [Draft:STM32MP15 resources](#)

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A quality version of this page, [approved on 17 November 2020](#), was based off this revision.

All the resources for the STM32MP1 Series are located in the Resources area of the [STM32MP1 Series web page](#).



The resources below are referenced in some of the articles of this user guide.

### Information






The different **STM32MP15** microprocessor **part numbers** available (with their corresponding internal peripherals, security options and packages) are described in the [STM32MP15 microprocessor part numbers](#).




means that the document (or its version) is new compared to what was delivered within the previous ecosystem release.

Reference	Name	Link	Version
<b>Application notes</b>			
AN4803	High-speed SI simulations using IBIS and board-level simulations using HyperLynx® SI on STM32 MCUs and MPUs	<a href="#">AN4803.pdf</a>	v2.0
AN5027	Interfacing PDM digital microphones using STM32 MCUs and MPUs	<a href="#">AN5027.pdf</a>	v2.0
AN5031	Getting started with STM32MP15 Series hardware development	<a href="#">AN5031.pdf</a>	v2.0
AN5036	Thermal management guidelines for STM32 applications	<a href="#">AN5036.pdf</a>	v3.0
AN5109	STM32MP1 Series using low-power modes	<a href="#">AN5109.pdf</a>	 v4.0
AN5122	STM32MP1 Series DDR memory routing guidelines	<a href="#">AN5122.pdf</a>	v3.0
AN5168	STM32MP1 series DDR configuration	<a href="#">AN5168.pdf</a>	v1.0
AN5225	USB Type-C™ Power Delivery using STM32xx Series MCUs and STM32xxx Series MPUs	<a href="#">AN5225.pdf</a>	 v3.0
	Migration of microcontroller applications from STM32F4x9 lines		






Reference	Name	Link	Version
<b>Application notes</b>			
AN5253	to STM32MP151, STM32MP153 and STM32MP157 lines microprocessor	<a href="#">AN5253.pdf</a>	v1.0
AN5256	STM32MP151, STM32MP153 and STM32MP157 discrete power supply hardware integration	<a href="#">AN5256.pdf</a>	v2.0
AN5260	STM32MP151/153/157 MPU lines and STPMIC1B integration on a battery powered application	<a href="#">AN5260.pdf</a>	v1.0
AN5275	USB DFU/USART protocols used in STM32MP1 Series bootloaders	<a href="#">AN5275.pdf</a>	v1.0
AN5284	STM32MP1 series system power consumption	<a href="#">AN5284.pdf</a>	v1.0
AN5348	FDCAN peripheral on STM32 devices	<a href="#">AN5348.pdf</a>	v1.0
AN5431	The STPMIC1 PCB layout guidelines	<a href="#">AN5431.pdf</a>	v1.0
AN5438	STM32MP1 Series lifetime estimates	<a href="#">AN5438.pdf</a>	v1.0
AN5510	Overview of the secure secret provisioning (SSP) on STM32MP1 Series	<a href="#">AN5510.pdf</a>	v1.0
<b>Datasheets<sup>[1]</sup></b>			
DS12505	STM32MP157C/F datasheet (secure)	<a href="#">DS12505.pdf</a>	 v4.0
DS12504	STM32MP157A/D datasheet (basic)	<a href="#">DS12504.pdf</a>	 v4.0
DS12503	STM32MP153C/F datasheet (secure)	<a href="#">DS12503.pdf</a>	 v4.0
DS12502	STM32MP153A/D datasheet (basic)	<a href="#">DS12502.pdf</a>	 v4.0
DS12501	STM32MP151C/F datasheet (secure)	<a href="#">DS12501.pdf</a>	 v4.0
DS12500	STM32MP151A/D datasheet (basic)	<a href="#">DS12500.pdf</a>	 v4.0
DS12792	STPMIC1 datasheet	<a href="#">stpmic1.pdf</a>	 v5.0
<b>Errata sheets</b>			
ES0438	STM32MP15xx device errata	<a href="#">ES0438.pdf</a>	v5.0



Reference	Name	Link	Version
<b>Application notes</b>			
Reference manuals <sup>[1]</sup>			
RM0436	STM32MP157 reference manual (STM32MP157xxx advanced Arm <sup>®</sup> -based 32-bit MPUs)	<a href="#">RM0436.pdf</a>	v4.0
RM0442	STM32MP153 reference manual (STM32MP153xxx advanced Arm <sup>®</sup> -based 32-bit MPUs)	<a href="#">RM0442.pdf</a>	v4.0
RM0441	STM32MP151 reference manual (STM32MP151xxx advanced Arm <sup>®</sup> -based 32-bit MPUs)	<a href="#">RM0441.pdf</a>	v4.0
<b>Boards schematics</b>			
MB1262 schematics	STM32MP157C-EV1 motherboard schematics MB1262-C01 board schematic (Evaluation board)	<a href="#">MB1262-C01.pdf</a>	v1.0
MB1263 schematics	STM32MP157C-EV1 daughterboard schematics MB1263-C01 board schematic (Evaluation board)	<a href="#">MB1263-C01.pdf</a>	v1.0
 MB1263 schematics	STM32MP157F-EV1 daughterboard schematics MB1263-C04 board schematic (Evaluation board)	<a href="#">MB1263-C04.pdf</a>	v4.0
MB1230 schematics	DSI 720p LCD display daughterboard schematics MB1230-C board schematic (Evaluation board)	<a href="#">MB1230-C.pdf</a>	v1.1
MB1379 schematics	Camera daughterboard schematics MB1379-A01 board schematic (Evaluation board)	<a href="#">MB1379-A01.pdf</a>	v1.0
MB1272 schematics	STM32MP157x-DKx motherboard schematics MB1272-DK2-C01 board schematic (Discovery kit)	<a href="#">MB1272-C01.pdf</a>	v1.0
MB1407 schematics	STM32MP157x-DKx daughterboard schematics MB1407-LCD-C01 board schematic (Discovery kit)	<a href="#">MB1407-C01.pdf</a>	v1.0
<b>Boards user manuals</b>			
UM2535	STM32MP157x-EV1 evaluation board user manual	<a href="#">UM2535.pdf</a>	v2.0
UM2534	STM32MP157x-DKx discovery board user manual	<a href="#">UM2534.pdf</a>	v1.0
<b>Tools user manuals</b>			
UM2563	STM32CubeIDE installation guide	<a href="#">UM2563.pdf</a>	v1.0



Reference	Name	Link	Version
<b>Application notes</b>			
UM2579	Migration guide from System Workbench to STM32CubeIDE	<a href="#">UM2579.pdf</a>	v1.0
UM2553	STM32CubeIDE quick start guide	<a href="#">UM2553.pdf</a>	v1.0
AN5360	Getting started with projects based on the STM32MP1 Series in STM32CubeIDE	<a href="#">AN5360.pdf</a>	v1.0
UM2609	Description of the integrated development environment for STM32 products	<a href="#">UM2609.pdf</a>	v1.0
UM1718	STM32CubeMX user manual	<a href="#">UM1718.pdf</a>	 v32.0
UM2237	STM32CubeProgrammer tool user manual	<a href="#">UM2237.pdf</a>	 v12.0
UM2238	STM32 Trusted Package Creator tool user manual	<a href="#">UM2238.pdf</a>	 v7.0
UM2542	STM32 Series Key Generator tool user manual	<a href="#">UM2542.pdf</a>	v1.0
UM2543	STM32 Series Signing tool user manual	<a href="#">UM2543.pdf</a>	v1.0

- <sup>1.01.1</sup> The part numbers are specified in STM32MP15 microprocessor part numbers





## Archives

STM32MP15 release	ST documentation
STM32MP15-Ecosystem-v2.0.0	<a href="#">STM32MP15 resources - v2.0.0</a>
STM32MP15-Ecosystem-v1.2.0	<a href="#">STM32MP15 resources - v1.2.0</a> page for the v1 ecosystem releases (in archived wiki)
STM32MP15-Ecosystem-v1.1.0	<a href="#">STM32MP15 resources - v1.1.0</a> page for the v1 ecosystem releases (in archived wiki)
STM32MP15-Ecosystem-v1.0.0	<a href="#">STM32MP15 resources - v1.0.0</a> page for the v1 ecosystem releases (in archived wiki)

Doubledata rate (memory domain)

USB port or connector

Microprocessor Unit

Device Firmware Upgrade

Universal Synchronous/Asynchronous Receiver/Transmitter

Printed Circuit Board

Secure Secret Provisioning

Secure secrets provisioning

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Display Serial Interface (MIPI® Alliance standard)