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## STM32MP15 resources



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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.




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> | v3.0    |
| 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    |
| AN5253                   | Migration of microcontroller applications from STM32F4x9 lines 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> | v2.0    |
| AN5275                   | USB DFU/USART protocols used in STM32MP1 Series bootloaders  | <a href="#">AN5275.pdf</a> | v1.0    |





| Reference                              | Name   | Link                        | Version  |
|--|--|-----------------------------|--|
| <b>Application notes</b>               |  |                             |  |
| 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> |  v5.0  |
| DS12504                                | STM32MP157A/D datasheet (basic)  | <a href="#">DS12504.pdf</a> |  v5.0 |
| DS12503                                | STM32MP153C/F datasheet (secure)   | <a href="#">DS12503.pdf</a> |  v5.0 |
| DS12502                                | STM32MP153A/D datasheet (basic)  | <a href="#">DS12502.pdf</a> |  v5.0 |
| DS12501                                | STM32MP151C/F datasheet (secure)   | <a href="#">DS12501.pdf</a> |  v5.0 |
| DS12500                                | STM32MP151A/D datasheet (basic)  | <a href="#">DS12500.pdf</a> |  v5.0 |
| DS12792                                | STPMIC1 datasheet  | <a href="#">DS12792.pdf</a> |  v7.0 |
| <b>Errata sheets</b>                   |  |                             |  |
| ES0438                                 | STM32MP15xx device errata  | <a href="#">ES0438.pdf</a>  |  v6.0 |
| <b>Reference manuals<sup>[1]</sup></b> |  |                             |  |
| RM0436                                 | STM32MP157 reference manual (STM32MP157xxx advanced Arm <sup>®</sup> -based 32-bit MPUs) | <a href="#">RM0436.pdf</a>  |  v5.0 |
| RM0442                                 | STM32MP153 reference manual (STM32MP153xxx advanced Arm <sup>®</sup> -based 32-bit MPUs) | <a href="#">RM0442.pdf</a>  |  v5.0 |
| RM0441                                 | STM32MP151 reference manual (STM32MP151xxx advanced Arm <sup>®</sup> -based 32-bit MPUs) | <a href="#">RM0441.pdf</a>  |  v5.0 |



| Reference                  | Name   | Link                           | Version  |
|----------------------------|--|--------------------------------|--|
| <b>Application notes</b>   |  |                                |  |
| <b>Boards schematics</b>   |  |                                |  |
| MB1262 schematics          | STM32MP157C-EV1 motherboard schematics<br>MB1262-C01 board schematic (Evaluation board)      | <a href="#">MB1262-C01.pdf</a> | v1.0   |
| MB1263 schematics          | STM32MP157F-EV1 daughterboard schematics<br>MB1263-C04 board schematic (Evaluation board)    | <a href="#">MB1263-C04.pdf</a> | v4.0   |
| MB1230 schematics          | DSI 720p LCD display daughterboard schematics<br>MB1230-C board schematic (Evaluation board) | <a href="#">MB1230-C.pdf</a>   | v1.1   |
| MB1379 schematics          | Camera daughterboard schematics<br>MB1379-A01 board schematic (Evaluation board)             | <a href="#">MB1379-A01.pdf</a> | v1.0   |
| MB1272 schematics          | STM32MP157x-DKx motherboard schematics<br>MB1272-DK2-C01 board schematic (Discovery kit)     | <a href="#">MB1272-C01.pdf</a> | v1.0   |
| MB1407 schematics          | STM32MP157x-DKx daughterboard schematics<br>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>     |  v2.0 |
| 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>     |  v2.0 |
| AN5360                     | Getting started with projects based on the STM32MP1 Series in STM32CubeIDE                   | <a href="#">AN5360.pdf</a>     | v1.0   |
| UM2609                     | STM32CubeIDE user guide  | <a href="#">UM2609.pdf</a>     |  v3.0 |



| Reference                | Name   | Link       | Version   |
|--------------------------|--|------------|---|
| <b>Application notes</b> |  |            |   |
| UM1718                   | STM32CubeMX user manual                        | UM1718.pdf |  v34.0 |
| UM2237                   | STM32CubeProgrammer tool user manual           | UM2237.pdf |  v15.0 |
| UM2238                   | STM32 Trusted Package Creator tool user manual | UM2238.pdf | v7.0  |
| UM2542                   | STM32 Series Key Generator tool user manual    | UM2542.pdf | v1.0  |
| UM2543                   | STM32 Series Signing tool user manual          | UM2543.pdf | v1.0  |

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



## Archives

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

Arm® is a registered trademark of Arm Limited (or its subsidiaries) in the US and/or elsewhere.



Display Serial Interface (MIPI® Alliance standard)

Stable: 04.06.2021 - 08:55 / Revision: 04.06.2021 - 08:54

**Invalid target:** no reviewed revision corresponds to the given ID.

Return to [STM32MP15 microprocessor](#).