

DA16600 Matter SDK

Release Notes

This document contains the release notes for DA16600 Matter Software Development Kit, SDK version 1.2.0.1.

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1. Terms and Definitions

API	Application Programming Interface
OTA	Over The Air Upgrade
RTOS	Real Time Operating System
SDK	Software Development Kit
QFN	Quad Flat No-lead Package

2. Release Data

Table 1: Release data

Device Number	DA16600
Operating System	FreeRTOS
Operating System Version	10.4.3
Software Release Date	May 22, 2024
Software Version Number	1.2.0.1
Software Release Type (Note 1)	FULL (GA)

Note 1 Releases can be of the following types: FULL (GA), FULL (LA), RELEASE CANDIDATE, ENGINEERING, PATCH or BINARY.

3. License

Licenses covering this SDK release are listed in the license.txt file in the SDK document folder.

4. Related Documentation and References

- [1] UM-WI-056, DA16200 DA16600 FreeRTOS Getting Started Guide, User Manual, Renesas Electronics
- [2] UM-WI-046, DA16200 DA16600 FreeRTOS Programmer Guide, User Manual, Renesas Electronics
- [3] DA16200, Datasheet, Renesas Electronics
- [4] DA16600, Matter Getting Started Guide, User Manual, Renesas Electronics

5. Release Description

5.1 Overview

This is the release note for Matter SDK 1.2.0.1 supporting DA16600 module. It includes improvements and new features listed in [Table 2](#) and bug fixes and improvements listed in [Table 3](#).

5.2 New and Updated Features of 1.2.0.1

Table 2: 1.2.0.1 new features

Feature number	Description
N/A	N/A

5.3 Fixes and Improvements since 1.2.0

Table 3: 1.2.0.1 fixes and improvements

Fix Number	Description
1.2.0.1-01	Improve stability

5.4 Known Issues of 1.2.0.1

Table 4: 1.2.0.1 known issues

Issue number	Description
N/A	N/A

5.5 Known Limitations of 1.2.0.1

Table 5: 1.2.0.1 known limitations

Issue number	Description
N/A	N/A

6. Release History

6.1 Version 1.2.0

This is the release note for Matter SDK 1.2.0 supporting DA16600 module. It includes improvements and new features listed in [Table 6](#) and bug fixes and improvements listed in [Table 7](#).

6.1.1 New and Updated Features of 1.2.0

Table 6: 1.2.0 new features

Feature number	Description
1.2.0 - 01	Support Matter platform SDK v1.2
1.2.0 - 02	Added reference applications: air-quality-sensor and thermostat

6.1.2 Fixes and Improvements since 1.0.0

Table 7: 1.2.0 fixes and improvements

Fix Number	Description
N/A	N/A

6.1.3 Known Issues of 1.2.0

Table 8: 1.2.0 known issues

Issue number	Description
N/A	N/A

6.1.4 Known Limitations of 1.2.0

Table 9: 1.2.0 known limitations

Issue number	Description
N/A	N/A

6.2 Version 1.0.0

This is the release note for Matter SDK 1.0.0 supporting DA16600 module. It includes improvements and new features listed in [Table 10](#) and bug fixes and improvements listed in [Table 11](#).

6.2.1 New and Updated Features of 1.0.0

Table 10: 1.0 new features

Feature number	Description
1.0.0 - 01	Matter 1.0
1.0.0 - 02	The device types of reference applications are lighting and lock.
1.0.0 - 03	Support AT commands via UART for lock application
1.0.0 - 04	Support Bluetooth provisioning

6.2.2 Fixes and Improvements since 1.0.0

Table 11: 1.0 fixes and improvements

Fix Number	Description
N/A	N/A

6.2.3 Known Issues of 1.0.0

Table 12: 1.0 known issues

Issue number	Description
N/A	N/A

6.2.4 Known Limitations of 1.0.0

Table 13: 1.0 known limitations

Issue number	Description
N/A	N/A

Appendix A Software Versioning Rules

This describes the software version numbers and does not apply to documentation version numbers (as found in the footer of this document).

Each software version number string consists of four numbers: MAJOR. BRANCH. MINOR. and BUILD.

#MAJOR: It is increased (by one only) if the project undergoes a major modification, for example major ROM changes. It usually changes only when the project sources undergo major restructuring affecting most of the repository. It is initialized at 1.

#BRANCH: Used in the case of concurrent projects that for special reasons need to be spun off the major repository. It corresponds to different versions of the repository code that have to be supported concurrently. In this case each branch number corresponds to a different GIT branch. The basic project has BRANCH id 0.

#MINOR: Odd numbers indicate Engineering (or Patch or Binary) versions, even numbers indicate Full release versions or Release Candidates of Full versions. Each Full release increases this number by one. After the Full release, the number is increased by one again. Therefore, Project releases correspond to release numbers like 2.0.1.xxx, 2.0.2.xxx. etc. The #MINOR number is initialized at 1.

#BUILD: The # BUILD number increases by one at every repository update and thus indicates the total number of changes since repository initialization. The BUILD number is initialized at 1.

Document Revision History

This section summarizes the changes made to this document and not to the Software that this document describes.

Revision	Date	Description
1.2.0.1	May 22, 2024	Improve stability
1.2.0	Jan. 19, 2024	Support Matter platform SDK v1.2
1.0.0	July 05, 2023	First version

Status Definitions

Status	Definition
DRAFT	The content of this document is under review and subject to formal approval, which may result in modifications or additions.
APPROVED or unmarked	The content of this document has been approved for publication.

RoHS Compliance

Renesas Electronics' suppliers certify that its products are in compliance with the requirements of Directive 2011/65/EU of the European Parliament on the restriction of the use of certain hazardous substances in electrical and electronic equipment. RoHS certificates from our suppliers are available on request.