Release Notes

DA16200 DA16600 Azure IoT Reference

Abstract

This document contains the release notes for Renesas Electronics' DA16200 and DA16600 FreeRTOS Software with Azure IoT Reference, version 3.2.6.0.

Contents

Tables

1 Terms and Definitions

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

2 Release Data

Table 1: Information Table

Software	Azure IoT Reference 3.2.6.0 (DA16200 and DA16600 SDK v3.2.6.0 based)
Device Number	DA16200/DA16600
Software Release Date	22 February 2023
Software Version Number	3.2.6.0
Software Release Type	PATCH

3 License

Licenses covering this release are listed in the license.txt file in SDK docs 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] UM-WI-042, DA16200, Provisioning the Mobile App, User Manual, Renesas Electronics

[4] UM-WI-058, DA16200 DA16600, Getting Started with Azure-IoT, User Manual, Renesas Electronics

[5] DA16200, Datasheet, Renesas Electronics

5 Release Description

5.1 Version 3.2.6.0

5.1.1 Overview

This is a patch release of the Azure IoT reference example, which is based on SDK 3.2.6.0. It provides Azure IoT support for the DA16200 and the DA16600 module.

The Azure IoT reference includes improvements and new features listed in Table 2 and bug fixes and improvements listed in Table 3. For details on all changes in the Azure SDK 3.2.6.0, please see the release notes for SDK 3.2.6.0.

5.1.2 New and Updated Features of 3.2.6.0

Table 2: 3.2.6.0 New Features

Feature Number	Description
3.2.6.0 - 01	None

5.1.3 Fixes and Improvements

Table 3: 3.2.6.0 Fixes and Improvements

Fix Number	Description
3.2.6.0 - 01	None

5.1.4 Known Issues of 3.2.6.0

Table 4: 3.2.6.0 Known Issues

Issue Number	Description
3.2.6.0 - 01	None

6 Release History

6.1 Version 3.2.4.0

6.1.1 Overview

This is a patch release of the Azure IoT reference example, which is based on SDK 3.2.4.0. It provides Azure IoT support for the DA16200 and the DA16600 module.

The Azure IoT reference includes improvements and new features listed in Table 5 and bug fixes and improvements listed in Table 6. For details on all changes in the Azure SDK 3.2.4.0, please see the release notes for SDK 3.2.4.0.

6.1.2 New and Updated Features of 3.2.4.0

Table 5: 3.2.4.0 New Features

Feature Number	Description
3.2.4.0 - 01	Undefined In Rush Current Feature
3.2.4.0 - 02	Added folder structure (Azure_Module / apps / Azure)
3.2.4.0 - 03	Changed DA16200 project folder and added DA16600 project folder

6.1.3 Fixes and Improvements

Table 6: 3.2.4.0 Fixes and Improvements

Fix Number	Description
3.2.4.0 - 01	None
3.2.4.0 - 02	BLE image OTA update bug fix
3.2.4.0 - 03	Added DA16600
3.2.4.0 - 04	Updated to prevent exception

6.1.4 Known Issues of 3.2.4.0

Table 7: 3.2.4.0 Known Issues

Issue Number	Description
3.2.4.0 - 01	None

6.2 Version 3.2.3.0

6.2.1 Overview

This is a patch release of the Azure IoT reference example, which is based on SDK 3.2.3.0. It provides Azure IoT support for the DA16200.

The Azure IoT reference includes improvements and new features listed in Table 8 and bug fixes and improvements listed in Table 9.

6.2.2 New and Updated Features of 3.2.3.0

Table 8: 3.2.3.0 New Features

Feature Number	Description
3.2.3.0 - 01	First release of the Azure IoT reference example

6.2.3 Fixes and Improvements

Table 9: 3.2.3.0 Fixes and Improvements

Fix Number	Description
3.2.3.0 - 01	None

6.2.4 Known Issues of 3.2.3.0

Table 10: 3.2.3.0 Known Issues

Issue Number	Description
3.2.3.0 - 01	None

6.2.5 Known Limitations of 3.2.3.0

Table 11: 3.2.3.0 Known Limitations

Issue Number	Description
3.2.3.0 - 01	None

Appendix A Software Versioning Rules

This describes the software version numbers and does not apply to document version numbers (as found in the footer of this document). Each software version number 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
3.2.6.0	22-Feb-2023	Updated with notes for Azure IOT release 3.2.6.0
3.2.4.0	11-Oct-2022	Updated with notes for Azure IOT release 3.2.4.0
3.2.3.0	03-Jun-2022	Updated with notes for Azure IOT release 3.2.3.0

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.

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