

Release Notes

DA16200 Azure IoT Reference

Abstract

This document contains the release notes for Dialog Semiconductor's DA16200 FreeRTOS Software with Azure IoT Reference, version 3.2.4.0

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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: Information Table

| | |
|---------------------------------|--|
| Software | Azure IoT Reference 3.2.4.0 (DA16200 SDK v3.2.4.0 based) |
| Device Number | DA16200 |
| Device Type | N/A |
| Device Revision | N/A |
| Operating System | FreeRTOS |
| Operating System Version | N/A |
| Software Release Date | 05 July 2022 |
| Software Version Number | 3.2.4.0 |
| 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, DA16xxx, FreeRTOS, Getting Started Guide, User Manual, Renesas Electronics.
- [2] UM-WI-046, DA16200, FreeRTOS, Programmer Guide, User Manual, Renesas Electronics.
- [3] UM-WI-047, DA16200, FreeRTOS, EVK User Guide, User Manual, Renesas Electronics.
- [4] UM-WI-042, DA16200, Provisioning the Mobile App, User Manual, Renesas Electronics.
- [5] UM-WI-XXX, DA16200, Getting Started with Azure-IoT, User Manual, Renesas Electronics.
- [6] DA16200, Datasheet, Datasheet, Renesas Electronics.

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5 Release Description

5.1 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.

The Azure IoT reference 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 3.2.4.0

Table 2: 3.2.4.0 New Features

| Feature Number | Description |
|----------------|--|
| 3.2.4.0 - 01 | Undefine In Rush Current Feature |
| 3.2.4.0 - 02 | Added folder structure (Azure_Module / apps / Azure) |

5.3 Fixes and Improvements since N/A

Table 3: 3.2.4.0 Fixes and Improvements

| Fix Number | Description |
|--------------|-------------|
| 3.2.4.0 - 01 | None |

5.4 Known Issues of 3.2.4.0

Table 4: 3.2.4.0 Known Issues

| Issue Number | Description |
|--------------|-------------|
| 3.2.4.0 - 01 | None |

5.5 Known Limitations of 3.2.4.0

Table 5: 3.2.4.0 Known Limitations

| Issue Number | Description |
|--------------|-------------|
| 3.2.4.0 - 01 | None |

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6 Release History

6.1 Version 3.2.3.0

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 2 and bug fixes and improvements listed in Table 3.

6.2 New and Updated Features of 3.2.3.0

Table 6: 3.2.3.0 New Features

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

6.3 Fixes and Improvements since N/A

Table 7: 3.2.3.0 Fixes and Improvements

| Fix Number | Description |
|--------------|-------------|
| 3.2.3.0 - 01 | None |

6.4 Known Issues of 3.2.3.0

Table 8: 3.2.3.0 Known Issues

| Issue Number | Description |
|--------------|-------------|
| 3.2.3.0 - 01 | None |

6.5 Known Limitations of 3.2.3.0

Table 9: 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 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.

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Document Revision History

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

| Revision | Date | Description |
|----------|-------------|--|
| 3.2.3.0 | 03-Jun-2022 | Updated with notes for Azure IOT release 3.2.3.0 |

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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

Dialog Semiconductor's 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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