CY8CKIT-028-SENSE IoT sense expansion kit release notes

About this document

Scope and purpose

Thank you for your interest in the CY8CKIT-028-SENSE IoT sense expansion kit. This document lists kit contents, installation requirements, kit documentation, limitations and known issues.

Intended audience

This expansion board is intended for all technical specialists who are familiar with IoT and sensing technologies and is intended to be used under laboratory conditions.

Table of contents

1 Release contents

1.1 Kit contents

The CY8CKIT-028-SENSE IoT sense expansion kit box includes the following:

- IoT sense expansion board
- Quick start guide

2 Tool information

2.1 Software and tools

This kit's code examples require ModusToolbox™ 2.3.1 or later. This is available on ModusToolbox ML webpage. See the kit guide for details.

2.2 Code examples and kit collateral

The kit webpage includes the documents and hardware files. The code examples are available on the Infineon GitHub repository.

2.3 Installation

All required software installation instructions are provided in the kit guide, which is available on the kit webpage.

2.4 Kit revision

This is revision Rev. *B of the CY8CKIT-028-SENSE kit.

2.5 Limitations and known issues

The following are the limitations and known issues in this revision. The issue will be resolved in future revisions of this kit.

- **Issue:** The KitProg3 UART's RTS and CTS pins of the baseboard are multiplexed with the I2S interface on the shield. This will cause noise in the output of the audio codec.
- **Workaround:** Remove the resistors R18 and R19 on the baseboard (CY8CKIT-062S2-43012 and CY8CKIT-064B0S2-4343W) to disconnect the UART RTS and CTS signals. See the "Board details" section of the baseboard kit guide for details.
- **Limitation:** The Rev *B version of the kit uses BMI160 instead of BMX160, which is now obsolete. The BMI160 is a 6-axis motion sensor with an accelerometer and gyroscope (the magnetometer cannot be used with the Rev. *B version of the kit).
- **Workaround:** Not applicable

2.6 Documentation

The following kit documents are available on the kit webpage:

- CY8CKIT-028-SENSE IoT Sense Expansion Kit Guide
- CY8CKIT-028-SENSE IoT Sense Expansion Kit Quick Start Guide
- CY8CKIT-028-SENSE IoT Sense Expansion Kit Release Notes

2.7 Technical support

For assistance, go to www.infineon.com/support. Visit community.infineon.com to ask your questions in the Infineon developer community.

2.8 Additional information

- For more information about PSoC™ 6 MCU, associated documentation, and software, visit www.infineon.com/psoc6
- For more information about ModusToolbox™ software functionality and releases, visit the ModusToolbox™ webpage: www.infineon.com/modustoolbox
- For more information about the machine learning solution, visit the ModusToolbox machine learning webpage: www.infineon.com/cms/en/design-support/tools/sdk/modustoolbox-software/modustoolbox-machine-learning/

For a list of trainings on ModusToolbox, visit www.github.com/Infineon/training-modustoolbox .

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Email: erratum@infineon.com

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