

ModusToolbox™ run-time software

release notes

About this document

Scope and purpose

This document lists the new features included with this release of ModusToolbox™ run-time software. For details about these and other features and libraries, refer to the [ModusToolbox™ run-time software user guide](#).

Document conventions

Convention	Explanation
Bold	Emphasizes heading levels, column headings, menus and sub-menus
<i>Italics</i>	Denotes file names and paths.
<code>Courier New</code>	Denotes APIs, functions, interrupt handlers, events, data types, error handlers, file/folder names, directories, command line inputs, code snippets
File > New	Indicates that a cascading sub-menu opens when you select a menu item

Reference documents

Refer to the following links for more information:

- [Code examples on GitHub](#)
- [Infineon community webpage](#)
- [ModusToolbox™ run-time software user guide](#)



Table of contents

1	Overview.....	3
2	What's new/changed in this release.....	3

Overview

1 Overview

With the ModusToolbox™ run-time software libraries, you can rapidly develop Wi-Fi and Bluetooth® applications on PSoC™ 6 MCU devices along with AIROC™ CYW43907 and CYW54907. These libraries are based on the industry-standard lwIP TCP/IP stack and Mbed TLS network security. This software provides the ideal solution for applications that do not use commercial cloud management systems such as Arm Pelion or Amazon AWS IoT Core. These libraries enable development with custom or alternative third-party cloud management approaches with a fully open, customizable, and extensible source code distribution.

2 What's new/changed in this release

The following features and libraries have been added/changed since the previous release:

- mtb-pdl-cat1
- psoc6cm0p
- mtb-hal-cat1
- Updated all PSoC™ 6 BSPs
- cy-mbedtls-acceleration
- mcuboot
- emWin
- trusted-firmware-m
- WHD
- WCM
- wifi-mw-core
- command-console
- wifi-bluetooth-tester
- wpa3-ext-supPLICant
- aws-iot-device-sdk-port
- OTA
- Wi-Fi CERT Tester
- btstack-integration
- bluetooth-freertos

Revision history

Revision	Date	Description
**	04/30/2020	Initial Release.
*A	05/18/2020	Added BTSTACK issue. Added bluetooth-freertos btstack libraries.
*B	06/29/2020	Updated for version 1.1.
*C	08/30/2020	Removed sentence about BTSTACK supports Bluetooth BR/EDR and BLE core protocols.
*D	09/30/2020	Updated for version 1.2.
*E	12/20/2020	Updated for version 1.3.
*F	05/11/2021	Updated for version 1.4.
*G	05/24/2021	Updated for version 1.4.1.
*H	10/06/2021	Updated for version 1.5.
*I	12/15/2021	Updated for fiscal Q1 2022.
*J	04/01/2022	Updated for fiscal Q2 2022.

Trademarks

All referenced product or service names and trademarks are the property of their respective owners.

Edition 2022-04-01

Published by

Infineon Technologies AG

81726 Munich, Germany

© 2022 Infineon Technologies AG.

All Rights Reserved.

Do you have a question about this document?

Email: erratum@infineon.com

Document reference

002-30288 Rev. *J

IMPORTANT NOTICE

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics ("Beschaffheitsgarantie").

With respect to any examples, hints or any typical values stated herein and/or any information regarding the application of the product, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

In addition, any information given in this document is subject to customer's compliance with its obligations stated in this document and any applicable legal requirements, norms and standards concerning customer's products and any use of the product of Infineon Technologies in customer's applications.

The data contained in this document is exclusively intended for technically trained staff. It is the responsibility of customer's technical departments to evaluate the suitability of the product for the intended application and the completeness of the product information given in this document with respect to such application.

For further information on the product, technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies office (www.infineon.com).

WARNINGS

Due to technical requirements products may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by Infineon Technologies in a written document signed by authorized representatives of Infineon Technologies, Infineon Technologies' products may not be used in any applications where a failure of the product or any consequences of the use thereof can reasonably be expected to result in personal injury.