

ModusToolbox™ run-time software

release notes

About this document

Scope and purpose

This document lists the new and updated 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 reference guide](#).

Document conventions

Convention	Explanation
Bold	Emphasizes heading levels, column headings, menus and sub-menus
<i>Italics</i>	Denotes file names and paths.
Courier New	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:

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

Table of contents

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

Overview

1 Overview

With the ModusToolbox™ run-time software, you can rapidly develop applications for Infineon MCUs, as well as AIROC™ Wi-Fi and Bluetooth® devices.

2 What's new/changed in this release

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

- Features
 - Bluetooth® stack available on the CM0 core
 - MCUboot support for PSoC™ 61 (M4 only)
 - Support for AIROC™ CYW43439 M.2 module from Laird (LWB+) in ModusToolbox™ ecosystem
 - embedTLS support for AIROC™ CYW20829
 - WPA3-R3 AP mode support for PSoC™ 6 + AIROC™ CYW43439
 - Networking stacks available on the CM0 core
- New libraries
 - netxduo-network-interface-integration
 - lwip-network-interface-integration
 - lwip-freertos-integration
 - emusb-device
 - emusb-host
- Updated libraries
 - abstraction-rtos v1.60
 - aws-iot-device-sdk-port v2.2.2
 - azure-c-sdk-port v1.2.1
 - clib-support v1.3.0
 - command-console v4.0.0
 - connectivity-utilities v4.0.0
 - emwin v6.26.0
 - freertos v10.4.304
 - HTTP client v1.2.1
 - HTTP server v2.2.1
 - LPA v4.0.0
 - mcuboot v1.8.3
 - mtb-pdl-cat1 v2.2.0
 - mtb-wifi-bluetooth-tester v2.0.0
 - ota-update v2.0.0
 - secure-sockets v3.0.0
 - whd v2.5.0
 - WiFi -cert v4.0.0

What's new/changed in this release

- wifi-connection-manager v3.0.0
- WiFi-Mfg-Tester v4.0.0
- WPA3-Ext-Supplicant v1.1
- Bundles
 - wifi-core-freertos-lwip-mbedtls
- Code examples
 - mtb-example-psoc6-emwin-tft-freertos
 - mtb-example-ota-https
 - mtb-example-ota-mqtt
 - mtb-example-aws-iot-ota-mqtt
 - mtb-example-azure-iot
 - mtb-example-btstack-freertos-findme
 - mtb-example-psoc6-mcuboot-basic
 - mtb-example-tcp-server
 - mtb-example-tcp-client
 - mtb-example-mqtt-client
 - mtb-example-usb-host-cdc-echo
 - mtb-example-usb-device-cdc-echo
 - mtb-example-usb-device-msc-filesystem-freertos
 - mtb-example-usb-device-hid-generic
 - mtb-example-usb-device-hid-mouse
 - mtb-example-usb-device-suspend
- Knowledge base article
 - Porting of Wi-Fi and Bluetooth LE applications to CM0+ core – KBA236435

Revision history

Revision history

Revision	Date	Description
**	2020-04-30	Initial Release.
*A	2020-05-18	Added BTSTACK issue. Added bluetooth-freertos btstack libraries.
*B	2020-06-29	Updated for version 1.1.
*C	2020-08-30	Removed sentence about BTSTACK supports Bluetooth BR/EDR and BLE core protocols.
*D	2020-09-30	Updated for version 1.2.
*E	2020-12-20	Updated for version 1.3.
*F	2021-05-11	Updated for version 1.4.
*G	2021-05-24	Updated for version 1.4.1.
*H	2021-10-06	Updated for version 1.5.
*I	2021-12-15	Updated for January 2022.
*J	2022-04-01	Updated for April 2022.
*K	2022-08-05	Updated for August 2022.
*L	2022-10-19	Updated for October 2022.

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