INFINEON SEMICONDUCTOR CORPORATION
Internal Correspondence

Date: 12/13/2023 **WW: 2332**
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Subject: **CYW20822 EZ-Serial Firmware Platform Release v1.0.11.0**
Category: CYW20822, EZ-Serial, Release Note
Distribution:

PURPOSE

This memo documents CYW20822 EZ-Serial release note of firmware version 1.0.11build0(v1.0.11.0). The firmware only includes 1 image file "EZ_serial_arch_1.0.11.0.ezf", you can download it from https://confluencewikiprod.intra.infineon.com/display/ICWMOD/CYW20822.

DETAIL

Detail of the release note see the content below.

CYW20822 EZ-Serial Firmware Release Notes

Release Version:	V1.0.11 build0
Release Date:	2023-12-13

1.0.11.0: Features

This build works on CYW20822 M2 board.

It supports following function.

- ✓ /RBT
- ✓ Self-Test
- ✓ CYSPP
- ✓ OTA
- ✓ UART Loader
- ✓ Current

Details about all this EZ-Serial firmware platform support commands, responses and events can refer to the User Guide document listed in Released Archive section.

Known Issues

Please don't upgrade to previous (before 0.7.1.0) build by OTA if configured Central or no advertisement. Or it can't upgrade to high build again.

We assume the user can't upgrade to previous build.

Current test

2.5V Idle (/RFAC default):0.4mA
/AX: 260uA
2.5V SSLP,L=0: 260uA
2.5V SSLP,L=1: 260uA
2.5V SSLP,L=2: 5.12uA
2.5 V, /SLEEP,T=0: 2.4uA

Released Archive

- **EZ_serial_arch_1.0.11.0.ezf**

Items	Link
Source Code	N/A
Image Files	https://confluencewikiprod.intra.infineon.com/display/ICWMOD/CYW20822
User Guide	Spec 002-11529

Firmware Checksum

Items	Checksum
OTA download BIN file	File: EZ_serial_arch_1.0.11.0.ezf CRC-32: 2561851207 MD5: 59e0a67a907067eed0b771166760b077 SHA-256: 8c2093c964f671a7f27146b2451f74f106023d0c82d269aff10c407192010592

Firmware Parameters

This firmware image has following version and hardware ID information supplied in the **system_boot** (“BOOT”) event.

Application Version	1.0.11 build0 (“E=01000B00”)
Stack Version	SDK (“S=05040001”)
Protocol Version	0.1 (“P=0001”)
Hardware ID	0x40 (“H=40”)

Note, all other firmware configuration parameters are set to EZ-Serial default configuration which can be found in the User Guide document. There are no specific user settings for this module and release.

Firmware Requirements

Refers to EZ-Serial Platform EROS (001-97284) for generic platform requirements. There are no specific requirements for this module and release.

Build Environment

N/A

Revision History

Arena Rev.	FW Rev.	Reviser	Description
N/A	0.1.2.0	Zhangxug	First release
N/A	0.3.2.0	Zhangxug	Fixed UART baud rate unstable issue.
N/A	0.6.0.0	Zhangxug	Add UART Loader
N/A	0.7.0.0	Zhangxug	GPIO P13 changed for low power
N/A	0.7.1.0	Zhangxug	Error of Echo response, an 0x0A appended the response package
N/A	1.0.1.0	Zhangxug	Update more features
N/A	1.0.4.0	Zhangxug	GPIO Group implemented
N/A	1.0.9.0	Zhangxug	Bugs fixed found before.
N/A	1.0.11.0	Zhangxug	Low power function update and stuck issue fixed.

End of Memo