CY8CKIT-062-WIFI-BT PSoC™ 6 Wi-Fi Bluetooth® Pioneer Kit release notes

About this document

Scope and purpose

Thank you for your interest in the CY8CKIT-062-WIFI-BT PSoC™ 6 Wi-Fi Bluetooth® Pioneer Kit. This document lists kit contents, installation requirements, kit documentation, limitations, and known issues.

Intended audience

This document is intended for embedded developers using the CY8CKIT-062-WIFI-BT PSoC™ 6 Wi-Fi Bluetooth® Pioneer Kit.

Release notes
www.infineon.com
Please read the sections "Important notice" and "Warnings" at the end of this document
002-22686 Rev. *C
2023-09-27

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1 Release contents

1.1 Kit contents

The CY8CKIT-062-WIFI-BT PSoC™ 6 Wi-Fi Bluetooth® Pioneer Kit box includes the following:

- PSoC™ 6 Wi-Fi Bluetooth® Pioneer Board
- CY8CKIT-028-TFT display shield
- USB Type-A to Type-C cable
- Six wires
    - Four jumper wires (4 inches each)
    - Two proximity sensor wires (5 inches each)
- Quick start guide

2 Tool information

2.1 Software and tools

This kit's code examples require ModusToolbox™ 3.1 or later. This is available on ModusToolbox™ webpage.

KitProg3 firmware v2.30 or later are required to program the PSoC™ 62 MCU on the kit. The ModusToolbox™ installer automatically installs KitProg3 drivers.

2.2 Code examples and kit collateral

The CY8CKIT-062-WIFI-BT PSoC™ 6 Wi-Fi Bluetooth® Pioneer Kit webpage includes the documents and hardware files of the kit. The code examples are available on the Infineon GitHub repository.

2.3 Installation

See the kit guide available at the webpage for installation instructions.

2.4 Kit revision

This is the Rev *F revision of the CY8CKIT-062-WIFI-BT PSoC™ 6 Wi-Fi Bluetooth® Pioneer Kit (see kit revision on the box). The code examples shipped with the kit are developed using ModusToolbox™ 3.1.

Note: *CyInstaller for the kit is discontinued from Rev *F of the kit. All kit collateral can be obtained from the kit webpage.*

Note: *The PSoC™ Creator and the WICED™ Studio based code examples are discontinued from revision Rev *F of the kit. Instead, the ModusToolbox™ based code examples with similar functionalities are introduced in this revision.*

2.5 Limitations and known issues

The following are the limitations and known issues in this revision of the kit.

- **Issue:** In the Rev *F version of the kit, the silkscreen on the board shows KitProg2. However, the KitProg3 is loaded on the kit.
  Workaround: None. This will be addressed in a future revision of the kit.
- **Issue:** When switch, SW7 is changed to SUPERCAP/PSOC6 position, the board does not get powered properly. The power LED and TFT display start flickering.

  Workaround: Starting with Rev *F of the kit, the super capacitor is removed. Therefore, you must keep SW7 at VDDD/KITPROG3 position. If not, the kit will be unpowered, and you will notice flickering on the TFT display
- **Issue:** TFT display operation at 1.8 V is currently not supported in this version of the kit.
  Workaround: Do the following:
  1. Set SW5 either at the 3.3 V position or the 1.8 V to 3.3 V VARIABLE position.
  2. If SW5 is set to the VARIABLE position, in PSoC™ Programmer, select a voltage of 2.5 V or higher.

Tool information

- **Issue:** PSoC™ 6 MCU resets during a wake-up event from Deep Sleep power mode if the following conditions are met:
  Deep-Sleep duration is longer than 30 ms
  1.1 V LDO is used to power VCCD
  VDD is set to 1.8 V
  Workaround: If the Deep Sleep duration is longer than 30 ms, either use the 0.9 V/1.1 V SIMO buck or select a VDD higher than 1.8 V using the VDD selection switch (SW5) on the kit.

2.6 Documentation

Kit documents are available on the kit webpage.

Documents include:

- CY8CKIT-062-WIFI-BT kit guide
- CY8CKIT-062-WIFI-BT quick start guide
- CY8CKIT-062-WIFI-BT release notes

2.7 Technical support

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

2.8 Additional information

- For more information about PSoC™ 6 MCU, associated documentation, and software, visit PSoC™ 6 page.
- For more information about ModusToolbox™ functionality and releases, visit the ModusToolbox™ webpage.
- For a list of training on ModusToolbox™ , visit GitHub page.

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