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

**Kit Contents**

The CY8CKIT-062-BLE PSoC 6 BLE Pioneer Kit box includes the following:

- PSoC 6 BLE Pioneer Board
- CY8CKIT-028-EPD E-INK Display Shield
- CY5677 CySmart™ BLE 4.2 USB Dongle
- USB Type-A to Type-C cable
- Six wires
  - Two jumper wires of length 5 inches each
  - Four proximity wires of length 4 inches each
- Quick Start Guide

**Software and Tools**

This kit’s code examples require PSoC Creator™ 4.2 or later. This is available with the kit installer or on the PSoC Creator webpage (www.cypress.com/psoccreator).

PSoC Programmer 3.27 or later and KitProg2 v1.05 or later are required to program the PSoC 6 MCU with Bluetooth Low Energy (BLE) Connectivity on the kit. The PSoC Creator installer or the kit installer automatically installs PSoC Programmer and KitProg2 drivers.

The CySmart 1.3 desktop application and CySmart mobile application are required to evaluate the code examples with BLE. The CySmart iOS and Android apps are available for download on the App Store™ and Google Play™ store respectively.

**Code Examples and Kit Collateral**

The CY8CKIT-062-BLE PSoC 6 BLE Pioneer Kit webpage includes the setup files (EXE) to install the code examples, documents, and hardware files of the kit.

**Installation**

Installation instructions are provided in the CY8CKIT-062-BLE PSoC 6 BLE Pioneer Kit Guide, which is available on the kit webpage.

**Kit Revision**

This is the Rev *E version of the CY8CKIT-062-BLE PSoC 6 BLE Pioneer Kit software. In the Kit software, seven code examples have been replaced with their RTOS versions.
Limitations and Known Issues

The following are the limitations and known issues in this revision of the CY8CKIT-062-BLE PSoC 6 BLE Pioneer Kit. These issues will be resolved in future revisions of this kit.

▪ **Issue:** The PSoC 6 MCU resets during a wake-up event from Deep-Sleep power mode if all 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.

▪ **Issue:** The CySmart iOS application does not support the CapSense Button service of the CE220167 code example.

  **Workaround:** Use the CySmart Android application for this code example.

▪ **Issue:** The PDM mic and IMU (motion sensor) on CY8CKIT-028-EPD E-INK Display Shield require a supply voltage of 3.3 V to function properly. Support for 1.8 V will be added in the next revision.

  **Workaround:** Ensure that SW5 is set to 3.3 V or 1.8 V-3.3 V VARIABLE, with PSoC Programmer selecting a voltage of 3.3 V in the latter case.

For limitations and known issues with PSoC 6 MCU, refer to the PSoC 6 MCU datasheet.

Documentation

The kit documents are located in the *Documentation* folder in the installation directory. The default location for the kit documents is:

<Install_Directory>\CY8CKIT-062-BLE PSoC 6 BLE Pioneer Kit\<version>\Documentation

Documents include:

▪ **CY8CKIT-062-BLE_Kit_Guide.pdf**

▪ **CY8CKIT-062-BLE_Quick_Start_Guide.pdf**

▪ **CY8CKIT-062-BLE_Release_Notes.pdf**

After opening PSoC Creator, on the Start Page, select **Start > Kits > CY8CKIT-062-BLE** for links to the kit documentation on the right panel. Expand **CY8CKIT-062-BLE** for kit code examples. General PSoC Creator documentation is available in **Help > Documentation**.

The default location for PSoC Creator documents is:

<Install_Directory>\PSoc Creator\<version>\PSoc Creator\documentation

The default location for PSoC Programmer documents is:

<Install_Directory>\Programmer\Documents

Technical Support

For assistance, go to [www.cypress.com/support](http://www.cypress.com/support) or contact our customer support at +1 (800) 541-4736 Ext. 3 (in the USA), or +1 (408) 943-2600 Ext. 3 (International).
Additional Information

▪ For more information about the PSoC 6 MCU, associated documentation and software, visit www.cypress.com/psoc6

▪ For more information on the CySmart Central Emulation Tool and supported hardware, visit www.cypress.com/cysmart

▪ For more information about PSoC Creator functionality and releases, visit the PSoC Creator webpage: www.cypress.com/psoccreator

▪ For more information about PSoC Programmer and supported hardware, visit the PSoC Programmer webpage: www.cypress.com/psocprogrammer

▪ For a list of trainings on PSoC Creator, visit www.cypress.com/training