

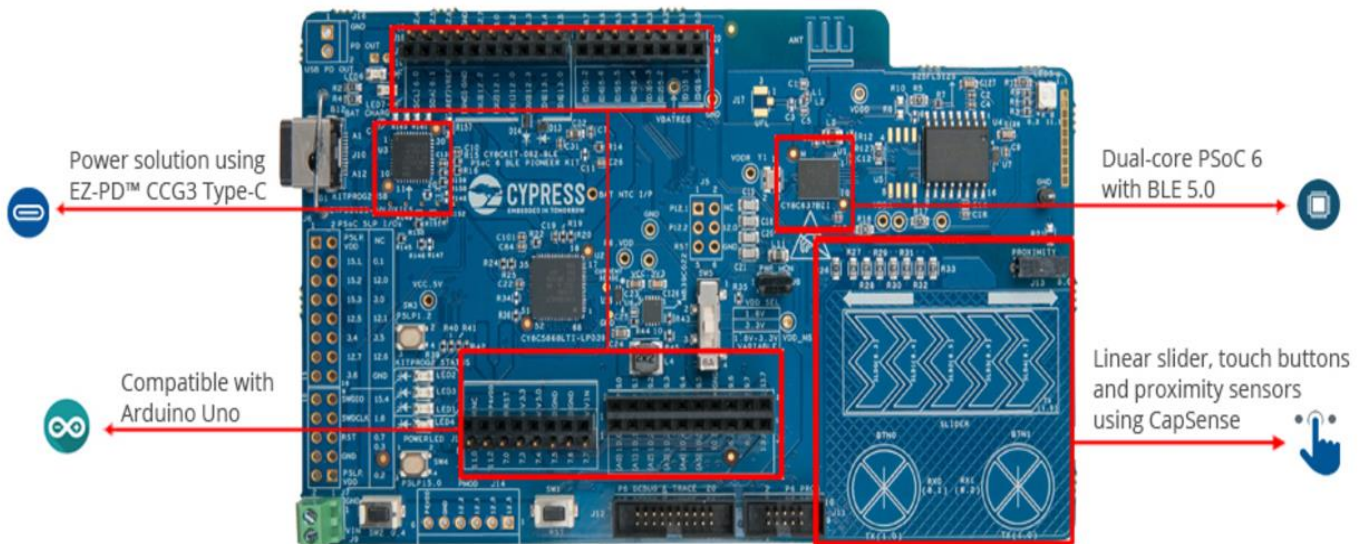


## PSoC 6 BLE Pioneer Kit CY8CKIT-062-BLE

**MFR Part Number-** CY8CKIT-062-BLE

PSoC 6 is based on a state-of-the-art, ultra-low-power 40-nm process technology, using a dual-core ARM® Cortex®-M4 and ARM® Cortex®-M0+ architecture. It's built on the programmable fabric of PSoC, with software-defined analog and digital peripherals, and provides critical security features for today's connected devices. The first PSoC 6 to sample is the CY8C6337, part of the PSoC 63 Connectivity Line, which focuses on wireless IoT applications.

The PSoC 6 BLE Pioneer Kit is a general-purpose PSoC 6 development kit. The kit includes the CY8C6337 device, a 512-Mb Quad-SPI NOR flash, on-board programmer/debugger (Kitprog2), EZ-PD™ CCG3 Type-C MCU, Cap Sense touch slider, buttons, and proximity sensors, and is Arduino Uno compatible. It also comes with an E-ink shield board (CY8CKIT-028-EPD) with on-board PDM-PCM microphone and thermistor. The E-ink shield board can be ordered separately from the kit as well.



**Kit Contents:**

- PSoC 6 BLE Pioneer base board
- CY8CKIT-028-EPD EINK Display Shield
- CY5677 CySmart BLE 4.2 USB Dongle
- USB Type-A to Type-C cable
- Six jumper wires
- Quick Start Guide

**Silicon Logistic Attributes:**

- HTS Code: 8473.30.1180
- ECCN Suball: B
- PB Free: Yes
- ECCN All: 5A992
- RoHS Compliant: Yes

**Country of Origin: India**

**Features:-**

- CY8C6347 ARM® Cortex®-M4/M0+ dual-core PSoC 6 with Bluetooth 5.0 compatibility
- On-board 512Mb Quad-SPI NOR Flash memory
- On-board EZ-PD™ CCG3 USB Type-C Controller with Power Delivery
- CapSense® touch slider, buttons and proximity sensors
- On-board programmer/debugger (Kitprog2)
- Arduino® UNO v3 Shield headers
- 2.7-inch E-ink Display Shield.
- Support for Bluetooth Low Energy v5.0
- On board BLE antenna
- Compatible with Arduino Uno shield boards.

**Applications:-**

- EZ-PD™ CCG3 Type-C power delivery with rechargeable battery support.
- Contains on-board Cap Sense® linear slider, touch buttons and proximity sensors.
- Contains on-board programmer/debugger that supports USB-UART/I2C/SPI bridge functionalities.
- Super-capacitor for backup power.