![Chipsmall logo]

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

CY5670 CYSMART™ USB DONGLE

CY5670 CySmart USB dongle (BLE dongle) is a BLE-to-USB bridge that uses Cypress's PRoC™ BLE (CYBL10162-56LQXI) and PSoC® 5LP (CY8C5868LTI-LP039) devices. The dongle can be used with Cypress's CySmart™ Windows® tool to test and debug BLE devices. Visit www.cypress.com/BLE for more information on Cypress's BLE solutions.

PRoC BLE is a single-chip solution with a 48-MHz ARM® Cortex®-M0 CPU, BLE radio, CapSense® technology for touch sensing, two serial communication blocks (SCBs), a 12-bit ADC, four Timer/Counter/PWMs, four additional PWMs, I²S for digital audio, and segment LCD direct-drive capability.
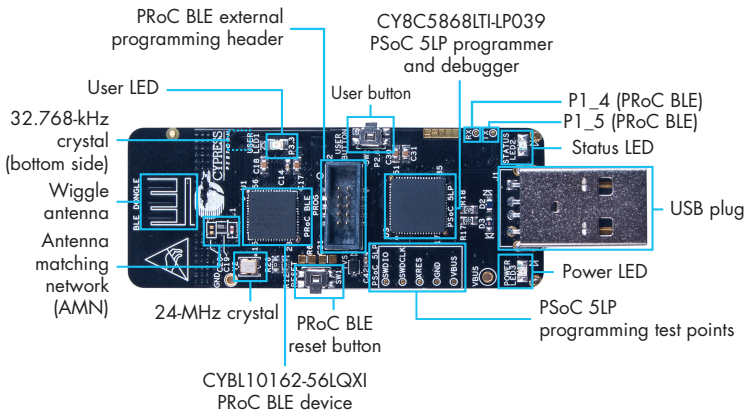
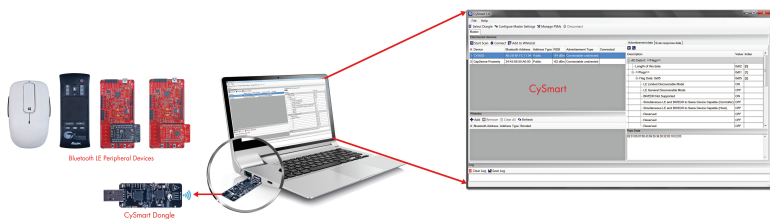**Fig-1: Pinout Description for CySmart USB Dongle**

CY5670 CYSMART™ USB DONGLE

Step 1: Plug the CySmart USB Dongle into a Windows PC.
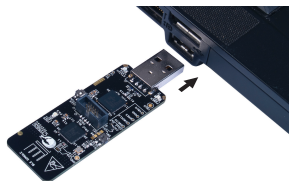
Fig-2: Powering the CySmart USB Dongle

Step 2: Test and debug BLE devices using CySmart.

Fig-3: CySmart Windows

The CySmart USB Dongle is factory-programmed to work as a BLE GAP Central device, allowing you to debug BLE applications such as those implemented using the CY8CKIT-042 BLE Pioneer Kit.

Detailed instructions for using the dongle with the CySmart tool are available as a part of the CySmart User guide. Visit www.cypress.com/CySmart

For details on how to use this dongle with other Cypress BLE kits, visit its webpage at www.cypress.com/CY5670

Refer to the kit user guides on the website for detailed information.

CY5670 has been pre-compliance tested against regulatory standards for countries including USA (FCC), Canada (IC) and Japan (JRF/TELEC).

For more information about this kit, visit www.cypress.com/CY5670