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## **Bluetooth Low Energy Ble Cypress**

Cypress' Bluetooth Low Energy (BLE) portfolio consists of WICED™ SMART, PSoC® 4 BLE and PSoC 6 BLE System-on-Chip (SoC) devices and System-in-Package (SiP) modules. The Cypress dual-mode Bluetooth portfolio includes Bluetooth SIG -compliant, BR + EDR + BLE devices and modules that integrate

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Bluetooth standard profiles and protocols for embedded applications.

## **BLE & Bluetooth - Cypress Semiconductor**

The Bluetooth Low Energy v4.1 specification has been abstracted into the new BLE Component in PSoC Creator, allowing for easy drag-and-drop

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designs. The kit has been designed to allow for maximum design flexibility enabling Arduino™ shields hardware compatibility and easy to use, FCC-certified PSoC 4 BLE Module.

### **PSoC 4 Bluetooth® Low Energy (BLE) 4.1 Compliant Pioneer Kit**

The BLE stack implements the core BLE

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functionality as defined in the Bluetooth Core Specification 4.2. The stack is included as a precompiled library and it is embedded inside the BLE Component. The BLE stack implements all the mandatory and optional features of Low Energy Single Mode compliant to Bluetooth Core Specification 4.2.

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## **Bluetooth Low Energy (BLE) - Cypress Semiconductor**

The Bluetooth Low Energy (BLE) Component provides a comprehensive GUI-based configuration window to facilitate designing applications requiring BLE connectivity. The Component incorporates a Bluetooth Core Specification v4.2 compliant

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protocol stack and provides APIs to enable user applications to access the underlying hardware via the stack.

## **PSoC® Creator™ Component Datasheet - Bluetooth Low Energy**

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The kit includes a CY5677 - CySmart Bluetooth Low Energy 4.2 USB Dongle

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(BLE Dongle) that pairs with the CySmart master emulation tool, converting your Windows ® PC into a powerful Bluetooth LE debug environment. The kit has been designed to allow for easy development at a low cost.

**CY8CKIT-042-BLE-A Bluetooth® Low Energy 4.2 Compliant ...**

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CY5677 CySmart BLE 4.2 USB Dongle is a BLE-USB bridge featuring a Bluetooth 4.2-compliant PSoC® 4 BLE, enabling you to test and debug Bluetooth® Low Energy (BLE) systems. CY5677 is qualified for the Bluetooth 4.2 specification. This dongle can be used with the CySmart BLE Test and Debug Tool (Windows® PC) to emulate a BLE

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host on your computer.

## **CY5677 CySmart Bluetooth® Low Energy (BLE) 4.2 USB Dongle**

Bluetooth Low Energy (Bluetooth LE, colloquially BLE, formerly marketed as Bluetooth Smart Hello) is a wireless personal area network technology designed and marketed by the Bluetooth

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Special Interest Group (Bluetooth SIG) aimed at novel applications in the healthcare, fitness, beacons, security, and home entertainment industries.

## **Bluetooth Low Energy - Wikipedia**

The BLE component itself simplifies the Bluetooth low energy stack and profile configuration. What you would typically

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do in hundreds and hundreds of lines in code can now be done in a simple, intuitive, easy-to-use graphical user interface.

### **Cypress PSoC 4 BLE (Bluetooth® Low Energy) | DigiKey**

The RF hardware can be used only for BLE. For Wi-Fi, refer to Cypress Wi-Fi

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product portfolio webpage. ... PSoC 6 MCU Bluetooth Low Energy (BLE) FAQ - KBA220700 - Community Translated (JA) Community Translation - PSoC 6 MCU with Bluetooth Low Energy (BLE) Connectivity FAQ - KBA220700 ...

## **PSoC 6 MCU with Bluetooth Low**

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## **Energy (BLE) Conn ...**

The Cypress CYW20719 is an enhanced ultra-low power (ULP), highly integrated, and dual-mode Bluetooth wireless MCU. It allows you to implement the industry's small-footprint, lowest-power Bluetooth Low Energy (BLE) and dual mode Bluetooth applications quickly by leveraging the all-inclusive development

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platform WICED Studio.

## **CYW20719B2 Product Guide | Cypress Developer Community**

Bluetooth Smart PSoC 4 BLE is a ARM® Cortex®-M0-based, PSoC device that integrates programmable analog front ends, programmable digital logic, industry-leading CapSense® user

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interface and a Bluetooth® Low Energy (Bluetooth Smart) radio. It includes a royalty-free BLE Protocol Stack compatible with Bluetooth 4.2.

## **Space: PSoC 4 BLE | Cypress Developer Community**

SweynTooth affects the wireless communication technology known as

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Bluetooth Low Energy (BLE). BLE allows two devices to “pair” and exchange information to perform their intended functions while...

### **FDA Informs Patients, Providers and Manufacturers About ...**

This is the first installment of a series of getting started videos on Cypress

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Bluetooth Low Energy solutions. You will learn about Cypress products, walk hr...

## **PSoC 4 BLE 101: 0. Intro to Bluetooth Low Energy - YouTube**

Function

wiced\_bt\_ble\_check\_advertising\_data.  
Parse advertising data (returned from scan results callback

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wiced\_bt\_ble\_scan\_result\_cback\_t). Look for specified advertisement data type.

### **WICED CYW20719: BLE (Bluetooth Low Energy)**

CySmart™ is a Bluetooth® Low Energy (BLE) or Bluetooth Smart utility developed by Cypress Semiconductor, an Infineon Technologies Company. The

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CySmart Android app can be used with any BLE products...

## **CySmart™ - Apps on Google Play**

Overview Bluetooth and Bluetooth Low Energy (BLE) are rapidly making their way to all kinds of new products.

Because they're integrated into smartphones, they allow a user to talk to

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any enabled product easily without any external adapter. Apple added support for Bluetooth v4.0 beginning with the iPhone 4S in October 2011.

## **A Guide to Selecting a Bluetooth Chipset | Argenox**

The vulnerability, dubbed Bluetooth Low Energy Spoofing Attack (BLESA), affects

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devices running the Bluetooth Low Energy (BLE) protocol — including smartphones, laptops, tablets, and IoT devices.

### **'BLESA' Bluetooth vulnerability impacts billions of ...**

The report from Purdue University demonstrated the design weaknesses in

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the Bluetooth Low Energy (BLE) protocol by creating scenarios that enable BLESA. It includes certain BLE implementations in ...

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