Qualcomm

Qualcomm® CSRB534x Dual-Mode Development Kits

Full-featured Bluetooth® dual-mode development kits for a variety of next generation IoT applications.

The CSRB534x development kits feature a dual-mode Bluetooth compliant platform that offers a powerful, versatile and cost-effective solution for a variety of next generation wireless accessories and embedded modules.

CSRB534x dual-mode Bluetooth SoCs promote reduced development time for a wide range of Internet of Things (IoT) applications, and are designed to provide low latency control and ultra-low power operation.

CSRB534x's powerful Qualcomm® BlueLab™ Software Development Kit (SDK) supports accessory developers of multiple operating systems and can reduce time to market. CSRB534x's firmware integrates SPP and SPP over GATT for low BOM of these key functions. CSRB534x dual-mode Bluetooth low energy v4.1 qualified SoCs provide enhanced connection topologies to improve smart device support and accessory support. This is combined with a powerful array of embedded system blocks including an 80MHz co-processor, large I/O for sensor rich connection, ROM memory array, direct LED drive, and Analog and Power management.

Development Kits are available to purchase online from our Sales and Solution Providers and network of distributors, representatives, module suppliers and design houses.

Qualcomm Technologies International, Ltd. is an industry leader of high quality connectivity experiences that help differentiate devices in the IoT. More than singular solutions, we develop flexible, robust product platforms combining silicon, software, and services to provide customers a complete connectivity platform for success.

Kit Contents

- CSRB534x development board
- CSRB534x example board
- 1x micro and 1x mini USB PC connection cables
- 560mAh Li-ion battery (CSRB5348/5342)
- Setup guide

CSRB534x Development Board
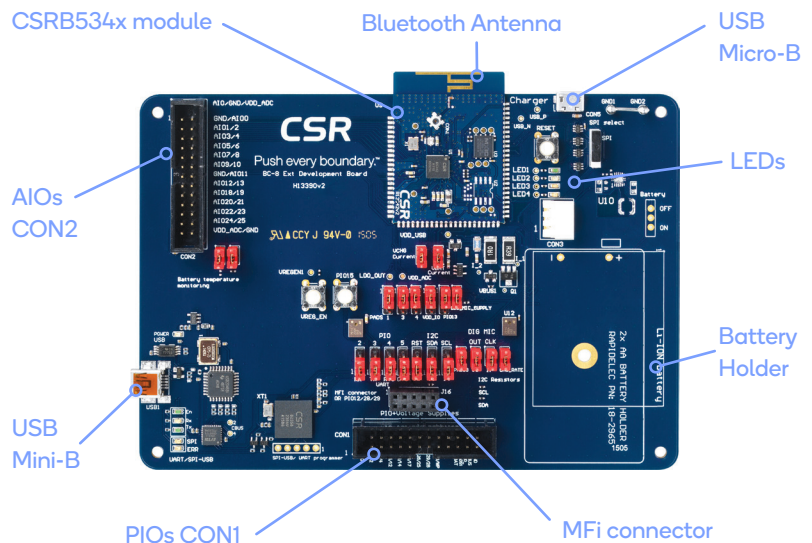
- 2x digital microphones
- 2x USB connectors
- 4x LEDs
- 10 way pin strip
- 24 way vertical plug
- Connection for power supply

CSRB534x Target IoT Applications

- Gaming Accessories
- Virtual Reality Accessories
- Keyboards/HID Devices
- Dual-mode Bluetooth Modules
- Wireless Toys
- Remote Controls

Bluetooth®

Features

- CSRB534x development board with example board on reference module, USB programming interface and interfaces for breaking out I/O to application-specific sensors and actuators

- CSRB5348, CSRB5341 and CSRB5342 module variants

- Bluetooth antenna with connector for external antenna at module

- The module integrates the chip for Bluetooth 2.4 GHz systems with most of the functionality required by HCI/HID wireless devices, including flash memory via SQIF interface (default) or EEPROM via I^{2}C-Bus.

- Two board variants: VAR0a with a Lithium Ion battery (CSRB5342/5348 only) or VAR1a with holder for 2x AA alkaline cells (CSRB5341).

- Licensed xIDE software development environment

- Optional C-compiler for the on-board DSP available for purchase

Ordering Information

Product	Part Number
CSRB5348 BGA Dev Kit	DK-CSRB5348-10203-1A
CSRB5342 BGA Dev Kit	DK-CSRB5342-10230-1A
CSRB5341 QFN Dev Kit	DK-CSRB5341-10229-1A
Compiler Dongle	DM-KCOMP-10159-1A
BlueLab Dev License	DL-BDEV-10002-1A
CSRB5341 QFN	CSRB5341A11-IQQU-R
CSRB5342 QFN	CSRB5342A11-IQQU-R
CSRB5342 BGA	CSRB5342A11-IBVE-R
CSRB5348 BGA	CSRB5348A11-IBVE-R

To learn more visit: qualcomm.com or developer.qualcomm.com

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CSRB534x Development Kits

CSRB5341 DEV KIT
DK-CSRB5341-10229-1A

Compliant platform for development of next-gen wireless gaming controllers and more. Designed to provide for low latency control and ultra-low power operation with enhanced connection topologies for improved smart device and accessory support.

Applications: Wireless gaming controllers, TV remote controls, VR accessories, toys and modules

Contents:
- CSRB534x development board
- CSRB5341 QFN example board
- Micro and mini USB leads
- Setup Guide

CSRB5342 DEV KIT
DK-CSRB5342-10230-1A

Compliant platform for development of next-gen wireless gaming controllers and more. Designed to provide for low latency control and ultra-low power operation with enhanced connection topologies for improved smart device and accessory support.

Applications: Wireless gaming controllers, TV remote controls, VR accessories, toys and modules

Contents:
- CSRB534x development board
- CSRB5342 BGA example board
- Micro and mini USB leads
- 560mAh Li-ion battery
- Setup Guide

CSRB5348 DEV KIT
DK-CSRB5348-10203-1A

Compliant platform for development of next-gen embedded systems and modules with industrial grade temperature requirements. Designed to provide for low latency control and ultra-low power operation with enhanced connection topologies for improved smart device and accessory support.

Applications: Embedded modules. Industrial and home automation, EPOS, data loggers, barcode readers, metering devices and systems with large interface requirements.

Contents:
- CSRB534x development board
- CSRB5348 BGA example board
- Micro and mini USB leads
- 560mAh Li-ion battery
- Setup Guide

SDK

In order to help developers bring new products to market quickly, a dedicated software development kit (SDK) is available for the CSRB534x series. The SDK is designed to allow developers to get hands-on with the CSRB534x platform and accelerate the development of a range of wireless devices. It supports SPP and GATT and flexible data transfer, including HID over GATT. The SDK includes Android and PC support and an MFi V4.0 add-on (requires MFi license).

In order to access latest software releases and development tools in the Audio Development Kit (ADK), a BlueLab developer license is required. Order code: DL-BDEV-10002-1A