



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!



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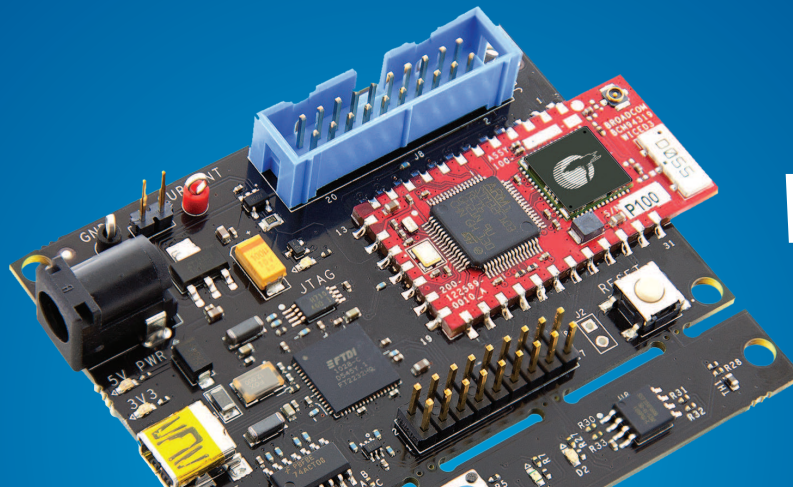
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WIRELESS SOLUTIONS

WICED®



WICED WI-FI

Cypress provides a full-featured WICED® Development Kit and is working with partners to deliver turnkey hardware solutions of various form factors to readily enable Wi-Fi connectivity in system designs. The following reference WICED boards are available for development and device prototyping.

BCM943362WCD4_EVB:

The BCM943362WCD4 SIP module is mounted on a full-featured USB-based evaluation and development board that is fully compatible with the WICED Wi-Fi Software Development Kit (SDK). The onboard SIP module leverages the CYW43362 802.11n 2.4 GHz Wi-Fi controller with integrated antennas and diversity to improve the quality and reliability of a wireless link, plus the STM32F205 32-bit ARM microcontroller.

BCM943364WCD1_EVB:

The BCM943364WCD1 SIP module is mounted on a full-featured USB-based evaluation and development board that is fully compatible with the WICED Wi-Fi Software Development Kit (SDK). Designed to be a lower cost alternative to the popular CYW43362, the onboard SIP module leverages the CYW43364 2.4 GHz WLAN IEEE 802.11b/g/n MAC/baseband/radio. In addition, the module integrates a power amplifier (PA) that meets the output power requirements of most handheld systems, a low-noise amplifier (LNA) for best-in-class receiver sensitivity, and an internal transmit/receive (iTR) RF switch, further reducing the overall solution cost and printed circuit board area. Powered by the STM32F411 32-bit ARM microcontroller, the board is also provisioned to support the authentication chip utilized by Apple's HomeKit offering.

BCM94343WWCD1_EVB:

The BCM94343WWCD1 SIP module is mounted on a full-featured USB-based evaluation and development board that is fully compatible with the WICED Wi-Fi SDK. Designed to be a lower cost alternative to the popular CYW4334X series, the onboard SIP module leverages the CYW4343W featuring a 802.11b/g/n MAC/baseband/radio and Bluetooth 4.1 support. In addition, the module integrates a power amplifier (PA) that meets the output power requirements of most handheld systems, a low-noise amplifier (LNA) for best-in-class receiver sensitivity, and an internal transmit/receive (iTR) RF switch, further reducing the overall solution cost and printed circuit board area. Powered by the STM32F411 32-bit ARM microcontroller, the board is also provisioned to support the authentication chip utilized by Apple's HomeKit offering.

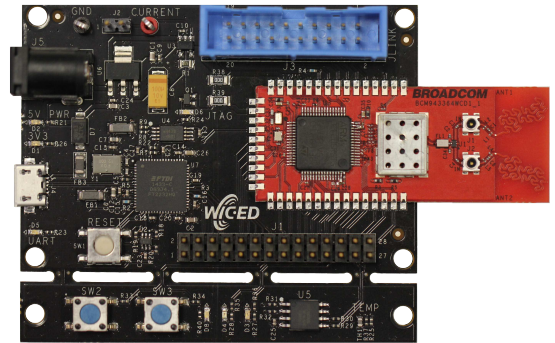
WICED WI-FI SOFTWARE DEVELOPMENT KIT

The WICED Wi-Fi SDK includes the following:

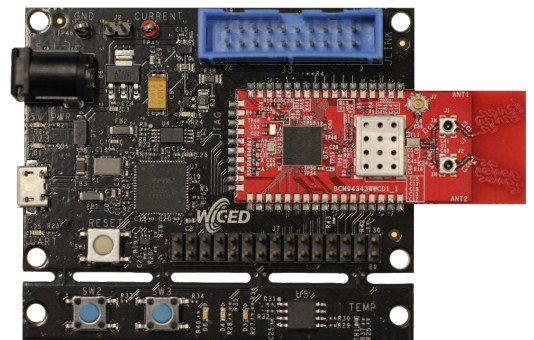
- An open-source build system and toolchain based on GNU 'make'.
- A GUI development environment based on Eclipse CDT that seamlessly integrates with a JTAG programmer and single-step, thread-aware debugger based on OpenOCD and gdb.
- A comprehensive software stack with a choice of several RTOS/ TCP stack options including ThreadX/NetX, ThreadX/NetX Duo, and FreeRTOS/LwIP.
- Advanced security and networking features, incorporating SSL/TLS, IPv4/IPv6 networking, and mDNS (Bonjour) device discovery.
- WICED Application Framework incorporating production-ready features, including bootloader, Flash storage API, over-the-air (OTA) upgrades, factory reset, and system monitor.
- Production-ready sample applications and application snippets that demonstrate how to use the WICED API feature set, including examples of Wi-Fi to Bluetooth (BT/BLE) bridging and Apple HomeKit (requires MFi license).
- Support for Amazon Web Services (AWS), Alibaba Aliyun and IBM Bluemix.
- Various test applications to aid manufacturing and certification.
- Full documentation included in the SDK.

For additional information on WICED modules currently in production, go to:

<https://community.cypress.com/community/wiced-wifi>



The BCM943364WCD1 WICED module mounted on a full-featured BCM943364WCD1_EVB development board.



The BCM94343WWCD1 SIP module mounted on a full-featured BCM94343WWCD1_EVB evaluation board.

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