EZ-BT™ MODULE ARDUINO EVALUATION BOARD
CYBT-413034-EVAL

The EZ-BT Module Arduino Evaluation Board (CYBT-413034-EVAL) enables you to evaluate and develop applications on the EZ-BT WICED Module, CYBT-413034-02. CYBT-413034-EVAL can be used as a standalone evaluation kit or can be combined with Arduino compatible shields.

The CYBT-413034-02 WICED Module is a fully integrated, fully certified, 12.0 mm x 16.3 mm x 1.70 mm, programmable, Bluetooth® Smart Ready module designed to reduce your time-to-market.

For more information, visit:
www.cypress.com/bluetooth_modules - EZ-BLE/EZ-BT Module home page
www.cypress.com/EZ-Serial - EZ-Serial Bluetooth Firmware Platform page
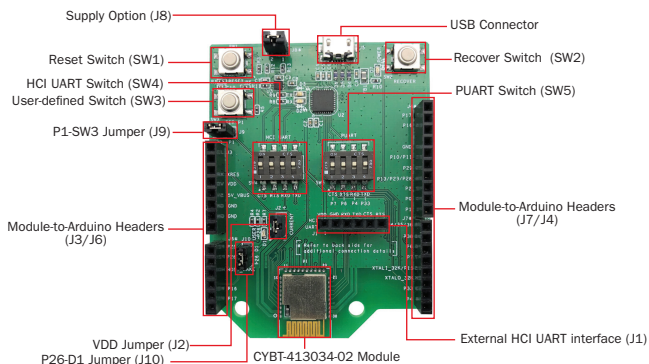www.cypress.com/WICED - WICED SDK page

Figure 1: CYBT-413034-EVAL Top View

To use the CYBT-413034-EVAL:
1) Configure the evaluation board headers/switches to the desired settings
2) Connect the evaluation board to a PC via a USB cable
3) Refer to KBA223746 for platform files, Makefile target generation, and HCI UART switch position setting for programming
4) Open the WICED Studio SDK, develop your application, program and test

The Arduino compatible headers (J3/J4/J6/J7) are optional connections, which provide additional I/O connections to the module and allow for other Arduino shields to be used during development.

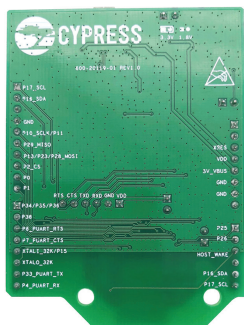# EZ-BT™ MODULE ARDUINO EVALUATION BOARD CYBT-413034-EVAL

Figure 2: CYBT-413034-EVAL Bottom View

SW1: Reset Switch routed to the XRES connection on the module.

SW2: Recover Switch routed to the UART_CTS connection on the module.

SW3: User-defined Switch routed to the P1 connection on the module via J9.

SW4: Switch connecting HCI UART connections on the module to host via USB.

SW5: Switch connecting PUART connections on the module to host via USB.

J1: Connection for external interface for direct HCI UART communication.

J2: Used for power supply current measurement.

J3/J4/J6/J7: Arduino-compatible headers used with an Arduino compatible shield.

J8: Configures the VDD voltage input to the module as shown in the below table:

J8 Jumper Configuration	VDD Voltage Level
Short 1 & 2	3.3V
Open 1 & 2	1.8V

J9: Connects the P1 pad on the module to SW3.

J10: Connects the P26 pad on the module to LED D1.

The EZ-BT CYBT-413034-02 Module supports Bluetooth SIG Mesh, is qualified for the Bluetooth 5.0 specification and are certified for the 2.4 GHz unlicensed frequency range in USA (FCC), Canada (ISED), Europe (CE) and Japan (MIC).

Visit www.cypress.com/support for technical support.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bluetooth Development Tools - 802.15.1 *category:*

Click to view products by Cypress *manufacturer:*

Other Similar products are found below :

DA14580PRODTLKT 1628 SP14808ST MBH7BLZ02-EF-KIT FWM7BLZ20-EB-KIT SP14801-DUT SKY66111-21EK1 SECO-RSL10-TAG-GEVB 3026 MIKROE-2471 BLE-IOT-GEVB 450-0184 EKSHCNZXZ EVAL_PAN1026 EVAL_PAN1720 EVAL_PAN1740 2267 2479 2487 2633 STEVAL-IDB005V1D STEVAL-IDB001V1 MIKROE-2545 SIPKITSLF001 2995 STEVAL-IDB007V1M 2829 DFR0267 DFR0296 BM-70-CDB STEVAL-BTDP1 ACD52832 TEL0095 RN-4871-PICTAIL DA14695-00HQDEVKT-P DA14695-00HQDEVKT-U EBSHJNZXZ EKSGJNZWY EKSHJNZXZ BMD-200-EVAL-S ACN BREAKOUT BOARD ACN SKETCH 2746 3242 3574 4062 4333 4481 4500 ABX00030