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# EZ-BT™ MODULE ARDUINO EVALUATION BOARD

## CYBT-273063-EVAL



The EZ-BT Module Arduino Evaluation Board (CYBT-273063-EVAL) enables you to evaluate and develop applications on the EZ-BT Module, CYBT-273063-02. CYBT-273063-EVAL can be used as a standalone evaluation kit or can be combined with Arduino compatible shields.

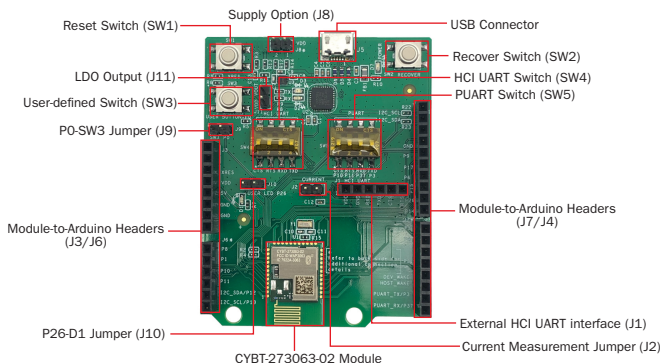
The CYBT-273063-02 Module is a fully integrated, fully certified, 12.5 mm x 19.0 mm x 1.85 mm, programmable, Bluetooth® Smart Ready module designed to reduce your time-to-market.

For more information, visit:

[www.cypress.com/bluetooth\\_modules](http://www.cypress.com/bluetooth_modules) - EZ-BT Module home pages

[www.cypress.com/EZ-Serial](http://www.cypress.com/EZ-Serial) - EZ-Serial Bluetooth Firmware Platform page

[www.cypress.com/modus](http://www.cypress.com/modus) - ModusToolbox® Software Environment page



**Figure 1: CYBT-273063-EVAL Top View**

To use the CYBT-273063-EVAL board:

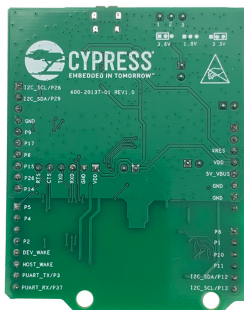
- 1) Configure the evaluation board headers/switches to the desired settings.
- 2) Connect the evaluation board to a PC via a USB cable.
- 3) Open ModusToolbox, and develop, program and test your application.

**Note:** Recover the CYBT-273063-EVAL board before programming.

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.

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## CYBT-273063-EVAL



**Figure 2: CYBT-273063-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 P0 connection on the module via J9.

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

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

J1: Connection for an 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 following table:

| J8 Jumper Configuration | VDD Voltage Level |
|-------------------------|-------------------|
| Short 1 & 2             | 3.0 V             |
| Open                    | 1.8 V             |

J9: Connects the P0 pad on the module to SW3.

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

J11: Module power supply selection from LDO or external connector.

The EZ-BT CYBT-273063-02 Module supports Bluetooth SIG Mesh, is qualified for the Bluetooth 5.0 specification, and is certified for the 2.4-GHz unlicensed frequency range in USA (FCC), Canada (ISED), Europe (CE) and Japan (MIC).

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