The EZ-BT™ Module Arduino Evaluation Board (CYBT-213043-EVAL) enables you to evaluate and develop applications on the EZ-BT WICED® Module, CYBT-213043-02. CYBT-213043-EVAL can be used as a standalone evaluation kit or can be combined with Arduino-compatible shields.

The CYBT-213043-02 WICED Module is a fully integrated, fully certified, programmable, Bluetooth® Smart Ready module designed to reduce your time-to-market. It measures 12.0 mm x 16.61 mm x 1.70 mm.

For more information, visit:
- www.cypress.com/bluetooth_modules - EZ-BT Module home page
- www.cypress.com/EZ-Serial - EZ-Serial Firmware Platform page
- www.cypress.com/Modus - ModusToolbox page

To use CYBT-213043-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) Open the ModusToolbox, develop your application, program and test.

Note: Recover the CYBT-213043-EVAL 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.
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 the host via USB.
SW5: Switch connecting PUART connections on the module to the host via USB.
J1: Connection for external interface for direct HCI UART communication.
J2: To measure module power supply current.
J8: Configures the VDD voltage input to the module as shown in the below table:

<table>
<thead>
<tr>
<th>J8 Jumper Configuration</th>
<th>VDD Voltage Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short 1 &amp; 2</td>
<td>3.3V</td>
</tr>
<tr>
<td>Open 1 &amp; 2</td>
<td>1.8V</td>
</tr>
</tbody>
</table>

J9: Connects the P1 pad on the module to SW3.
J10: Connects the P27 pad on the module to LED D1.
J11: Module Power Supply Selection from LDO or external connector.

The EZ-BT CYBT-213043-02 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).

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