

Product Brief

Type 2BZ Module

Wireless connectivity module

Shielded ultra-small dual band WiFi® 11a/b/g/n/ac 2x2 MIMO + Bluetooth® 5.2 module

Features

- 2.4GHz & 5 GHz WiFi + Bluetooth module
- Network topology: AP and STA dual mode
- Chipset: Infineon (CYW54590)
- Processor: No
- NXP i.MX Linux
- FCC/CE/IC/TELEC 'reference' certified

High performance capabilities for IoT

- For industrial IoT, smart home, audio/video/voice and gateway
- 802.11 a/b/g/n/ac 2x2 MIMO 866Mbps
- NXP i.MX Linux

Description

Type 2BZ is a small and high performance module based on Infineon CYW54590 combo chipset which supports WiFi 802.11a/b/g/n/ac 2x2 MIMO + Bluetooth 5.2 BR/EDR/LE up to 866Mbps PHY data rate on Wifi and 3Mbps PHY data rate on Bluetooth.

The WLAN section supports SDIO v3.0 interface and the Bluetooth section supports high-speed 4-wire UART interface and PCM for audio data.

The CYW54590 implements highly sophisticated enhanced collaborative coexistence hardware mechanisms and algorithms, which ensure that WLAN and Bluetooth collaboration is optimized for maximum performance.

Type 2BZ module is packaged in an impressively small shielded form factor that facilitates integration into size- and power-sensitive applications such as IoT applications, handheld wireless system, gateway and more. RF matching, antenna design and regulatory certification are already taken care of and tested.

For more details see:

<https://www.murata.com/products/connectivitymodule/wi-fi-bluetooth/overview/lineup/type2bz>

Contents are subject to change without notice.



Part number: LBEE5XV2BZ



Actual size
(11.4 × 8.9 × 1.4 mm)

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