

Wireless Connectivity Module

Shielded Ultra-small Tri-band(2.4/5/6GHz) Wi-Fi® 11a/b/g/n/ac/ax + Bluetooth® 5.4 Module

Features

- 2.4GHz/5GHz/6GHz Wi-Fi®+Bluetooth® module
- Network topology: uAP and STA dual mode
- Chipset: Infineon (CYW55513)
- Processor: No
- Modulation: DSSS / CCK / OFDM / OFDMA
- FCC/IC/CE/MIC “reference” certified

High Performance Capabilities for IoT

- For Industrial IoT, smart home, sensor network, gateway
- 802.11 a/b/g/n/ac /ax 143Mbps
- NXP i.MX Linux and FreeRTOS, Cypress WICED

Description

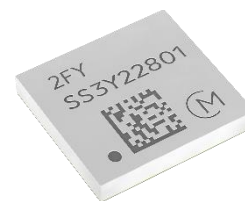
Type 2FY is a small and high performance module based on Infineon CYW55513 combo chipset which supports Wi-Fi® 802.11a/b/g/n/ac/ax + Bluetooth® 5.4 BR/EDR/LE up to 143Mbps PHY data rate on Wifi and 3Mbps PHY data rate on Bluetooth.

The WLAN section supports SDIO v3.0 interface and the Bluetooth section support high-speed 4-wire UART interface, PCM and I2S for audio data.

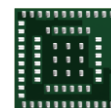
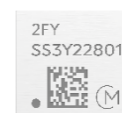
The CYW55513 implements highly sophisticated enhanced collaborative coexistence hardware mechanisms and algorithms, which ensure that WLAN and Bluetooth collaboration is optimized for maximum performance.

Type 2FY 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://wireless.murata.com/type-2FY.html>



Part number: LBEE5PK2FY



Actual Size
(7.9 x 7.3 x 1.1 mm)