

Product Brief

Type 2AE Module

Wireless connectivity module

Shielded ultra-small WiFi

11a/b/g/n/ac+Bluetooth 5.0 module

Features

- 2.4GHz/5GHz WiFi+Bluetooth module
- Network topology: AP and STA dual mode
- Chipset: Infineon (CYW4373E)
- Processor: No
- Modulation: DSSS / CCK / OFDM
- FCC/IC "reference" certified

High performance capabilities forIoT

- For Industrial IoT, smart home, sensor network, gateway
- 802.11 a/b/g/n/ac 433Mbps
- NXP i.MX Linux and FreeRTOS, Infineon WICED

Description

Type 2AE is a small and high performance module based on Infineon CYW4373E combo chipset which supports WiFi 802.11a/b/g/n/ac + Bluetooth 5.0 BR/EDR/LE up to 433Mbps PHY data rate on Wifi and 3Mbps PHY data rate on Bluetooth. The WLAN section supports PCIe/SDIO v2.0/USB2.0 interface and the Bluetooth section supports USB2.0, high-speed 4-wire UART interface and PCM for audio data.

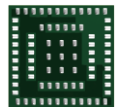
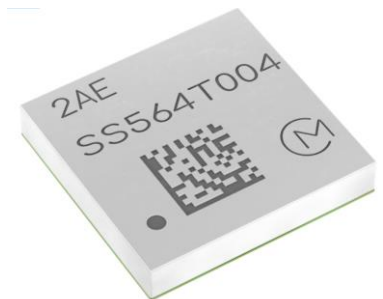
The CYW4373E implements highly sophisticated enhanced collaborative coexistence hardware mechanisms and algorithms, which ensure that WLAN and Bluetooth collaboration is optimized for maximum performance.

Type 2AE 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-2AE.html>



Part number: LBEE5PK2AE



Actual size
(8.0 x 7.8 x 1.15 mm)