

## Product Brief

### Type 1YN Module

# Wireless connectivity module

## Shielded ultra-small WiFi

## 11b/g/n+Bluetooth 5.2 module

### Features

- 2.4GHz WiFi+Bluetooth module
- Network topology: AP and STA dual mode
- Chipset: Infineon (CYW43439)
- Processor: No
- Modulation: DSSS / CCK / OFDM
- FCC/IC “reference” certified

### High performance capabilities forIoT

- For Industrial IoT, smart home, sensor network, gateway
- 802.11 b/g/n 65Mbps
- NXP i.MX Linux and FreeRTOS, Infineon WICED

### Description

Type 1YN is a small and high performance module based on Infineon CYW43439 combo chipset which supports WiFi 802.11b/g/n + Bluetooth 5.2 BR/EDR/LE up to 65Mbps PHY data rate on Wifi and 3Mbps PHY data rate on Bluetooth. The WLAN section supports SDIO v2.0 interface and the Bluetooth section supports high-speed 4-wire UART interface and PCM for audio data.

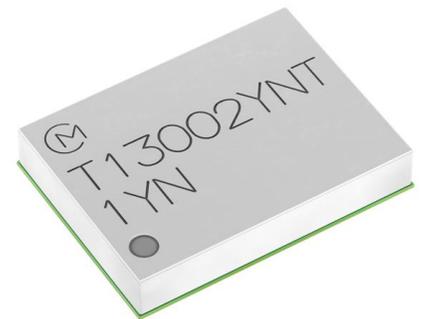
The CYW43439 implements highly sophisticated enhanced collaborative coexistence hardware mechanisms and algorithms, which ensure that WLAN and Bluetooth collaboration is optimized for maximum performance.

Type 1YN 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-1YN.html>



Part number: LBEE5KL1YN



Actual size  
(6.95 x 5.15 x 1.1 mm)