

Product Brief

Type 1LD Module

Network controller module

Shielded ultra-small dual band WiFi 11b/g/n+Bluetooth 4.2+MCU module

Features

- 2.4GHz WiFi+Bluetooth MCU module
- Network topology: AP and STA dual mode
- Chipset: Cypress (CYW43438) + STM32 (ARM Cortex-M4F)
- Processor: STM32 ARM Cortex-M4F
- Modulation: DSSS / CCK / OFDM
- FCC/IC "reference" certified

Feature rich software hosted on module

- For Industrial IoT, smart home, sensor network, gateway
- 802.11 b/g/n 65Mbps, Wifi stack runs inside, 1MB Flash, 256KB RAM
- Cypress WICED, SPP on Bluetooth and GATT on Bluetooth LE are supported by WICED as of January 20th, 2017

Description

Type 1LD is a small module based on CYW43438 combo chipset + STM32F412 MCU, which support Wifi 802.11b/g/n + Bluetooth 4.2 up to 65Mbps PHY data rate on Wifi, 3Mbps PHY data rate on Bluetooth and integrated 100MHz ARM Cortex-M4 MCU for host-side applications.

Type 1LD enables low throughput consumer applications with its STM32 ARM Cortex-M4 MCU with no additional components.

Type 1LD network controller module provide device manufacturers with an easy-to-design solution for data acquisition, device management, and industrial control applications. WiFi-Bluetooth coexistence, SDIO high speed bus design, RF matching, Antenna design and Regulatory certification are already taken care of and tested.

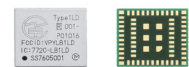
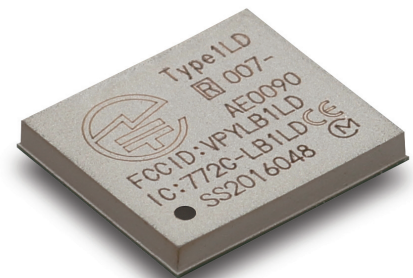
Each module offers a complete network controller solution. The WiFi, TCP/IP, Bluetooth network stack, security supplicant and other network application features are hosted directly on the module.

Yet, the feature-rich Type 1LD module is packaged in an impressively small form factor that facilitates integration into size- and power-sensitive applications.

For more details see: <https://wireless.murata.com/type1ld.html>



Part number: LBEE5PA1LD



Actual size
(8.9 x 7.8 x 1.2 mm)