

Product Brief

Type 2HV Module

Shielded 2.4G Wi-Fi 4 & BLE MCU module with ANT

Wi-Fi & BLE Combo design for cost-effective IoT edge devices

Features

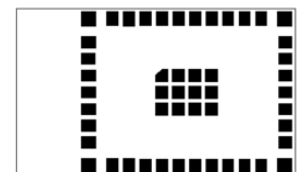
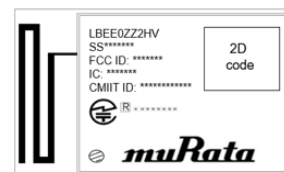
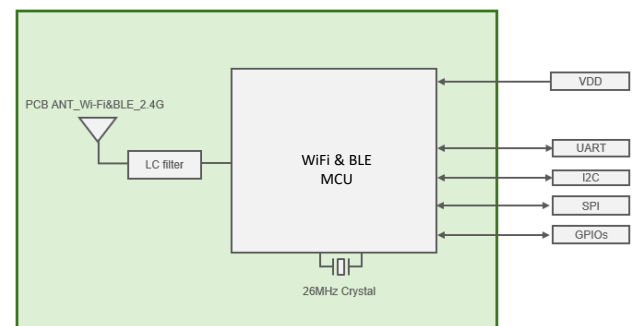
- 32-bit Arm MCU at up to 160 MHz
 - 288 KB RAM
 - 2 MB Flash
- Wi-Fi 4 IEEE 802.11 b/g/n 1x1
- Bluetooth 5.2 LE, 1 Mbps, 2 Mbps, and long range
- Support low power consumption mode
- Structure: Metal case + PCB (Lead Free Module)
- Package: LGA
- RoHS compliant

Benefits

- On board PCB antenna simplifies customer board RF design
- The module's RF certification can be reused for end-product certification
- Open MCU design for user's Application code
- Quick time to market solution
- AT modem and low power network card solution
- Matter certified

Specifications

Product name	LBEE0ZZ2HV-001
Technology	Wi-Fi 4, BLE
Peripheral I/F	UART, I2C, SPI, GPIOs
Dimensions	13.5 (Typ.) x 8.0 (Typ.) x 2.0 (Max.) mm
Operating Temperature	-40°C to 105°C
Supply Voltage	2.7 to 3.6 V
Regulatory certification	FCC, IC, CE, TELEC, SRRC



Size: 13.5 x 8.0 x 2.0 mm