



Type WM  
2.4GHz & 5GHz Wi-Fi®  
802.11a/b/g/n  
Bluetooth® v4.0



Features

Size Optimized 2.4GHz Wi-Fi + Bluetooth + BLE

- LBEF5QVMC-633
- Wi-Fi + Bluetooth chipset: TI WLLink™ 8.0
- Small Size: 9.9 mm x 8.8 mm x 1.3 mm (max.)

WLAN

- 2.4GHz IEEE 802.11a/b/g/n radio technology
- Data Rates: 1-65 Mb/s
- Operating Frequency Range: 2.4GHz and 5GHz WLAN
- Output Power: 15dBm (typical) @ 11Mb/s
- Supply Current: TX - 210mA / RX - 50mA @ 11Mb/s
- Operating Temperature Range: -40°C to +85°C

Bluetooth v4.0+EDR, Power Class 1.5

- Data Rate: up to 3 Mb/s
- Operating Frequency Range: 2.4GHz BT Frequencies
- Output Power: 11.5dBm (typical)
- Supply Current: 42 mA (typical)

Interface options for co-existent applications

- Host interfaces / WLAN: SDIO
- Host interfaces / Bluetooth: UART
- Other interfaces / Bluetooth: PCM, I2S

Compliance / Certifications

- RoHS Compliant
- Bluetooth SIG Compliant, Customer responsible for Bluetooth SIG Field Certification

Additional Features

- Included in Module: On-board reference clock, RF switches and Diplexer to feed a common RF port



Have a quick question?

First Name\*  Last Name\*

Company Name\*

Email Address\*  Phone

State (if in USA or Canada):

Country\*

Zip Code

Comments:

Description	Specs	Documents	Software	Applications	Eval Tool	Contact Us	Purchase
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Characteristic	Spec
32 kHz Clock Circuit	External
Antenna Configuration	External
Antenna Options	External
Bluetooth	Standard BT and BLE
Chipset	TI WLLink™ 8 WL1833
Data Rate Support	1 to 65Mb/s
Dimensions	9.9 x 8.8 x 1.3 mm (max.)
Driver / Firmware	No
FCC/IC certified	No
Host Interface	WLAN: SDIO; Bluetooth: UART
Input Voltage	3.0 to 4.2Vdc for VBAT
Interface Voltage	1.8 VDC for VIO
Operating Temperature	-40 °C to +85 °C
Package	LGA
Receive Mode Current	50mA @ -87dBm typ. @ 11Mb/s 2.4GHz
Sleep Mode Current	200uA
Standards	IEEE 802.11a/b/g/n, Bluetooth v4.0
Transmit Mode Current	210mA @ +15dBm typ. @ 11Mb/s 2.4GHz
WLAN RF Power	+15dBm typ. @ 11Mb/s 2.4GHz
WLAN Sensitivity	-87dBm typ. @ 112Mb/s 2.4GHz