

DESCRIPTION



module is a low-cost and low-power consumption module which has all the WiFi and Bluetooth function. The highly integrated module makes the possibilities of web browsing, VoIP, Bluetooth headsets and other applications. With seamless roaming capabilities and advanced security, GB8632 can also interact with different vendors' 802.11b/g/n Access Points in the wireless LAN. The wireless module complies with IEEE 802.11 b/g/n standard and it can achieve up to a speed of 65Mbps.

The wireless module complies with IEEE 802.11 b/g/n standard and it can achieve up to a speed of 65Mbps with single stream in 802.11n, 54Mbps as specified in IEEE 802.11g, or 11Mbps for IEEE 802.11b to connect to the wireless LAN.

- *802.11 b/g/n + Bluetooth 2.1 + EDR
- *Co-existence considered
- *No external clock source needed
- *Shielding module

- *Dimension = 10.0 x 10.0 x 1.4 mm
- *Single antenna needed
- * RoHS compliant/Lead Free

Specification

Input Power	DC 3.3 V
Module Connection	60Pin, LGA
Dimensions	10 x 10 x 1.4mm
HW Interface	WiFi : SDIO/SPI
	BT: UART
Standard	802.11b : DSSS
	802.11g/n : OFDM
	BT: Bluetooth 2.1 + EDR
Data rate(Mbps)	802.11b:11(Max)
	802.11g:54(Max)
	802.11n:65(Max)
	BT:2.0(EDR) of 1, 2 & 3
Frequency Range	802.11b/g/n:2.412 ~2.472GHz
	BT:2.402 ~ 2.480GHz
RF receive sensitivity	802.11b 11Mbps:-87dBm(Typ)
	802.11g 54Mbps:-72dBm(Typ)
	802.11n 65Mbps:-69dBm(Typ)
RF transmit power	802.11b: <13dBm
	802.11g/n: <15dBm
	BT: <2.0 dBm
Security	WEP(64/128 bits)
	WPA(TKIP + 802.1X)
	802.11i(AES, TKIP,802.1X)
Temperature Range	-20 °C ~ 55 °C(Operating)
	-40 °C ~ 85 °C(Storage)
Humidity	Max. 95% Non-Condensing
Compliance	RoHS compliant/Lead Free

CE 2200

FCC ID : QI6-M3

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

Operation is subject to the following two conditions; (1)

This device may not cause harmful interference, and (2) this device must accept any interference received,

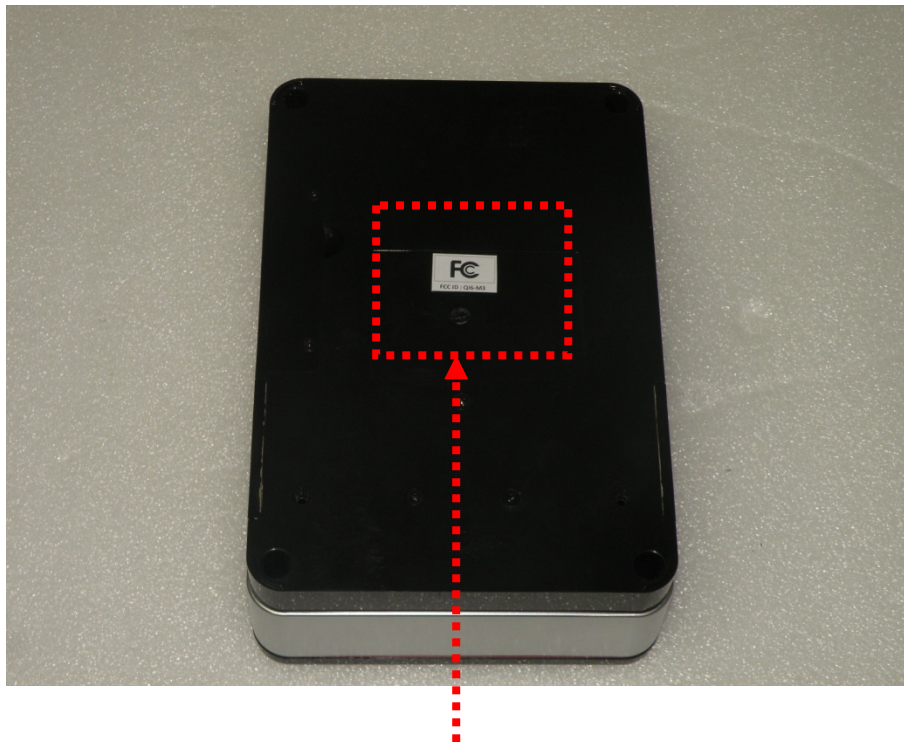
including interference that may cause undesired operation.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

this module should not be installed and operating in conjunction with any other antenna or transmitter , additional equipment authorization may be required if radio is installed and operating in conjunction with any other antenna or transmitter

Use of radio module in host system which not indicated in FCC filing may subject to additional Permissive change equipment authorization.

How to do labeling



: "Contains FCC ID: QI6-M3"