

Product Specification

EQi_V6 Bluetooth Module

Version	Write	Audit	Date
V1.0	Chi-Cheng Yau	Zhou Hui	2025-8-4

EQi_V6 Bluetooth Module Product Specifications

I. Product Overview

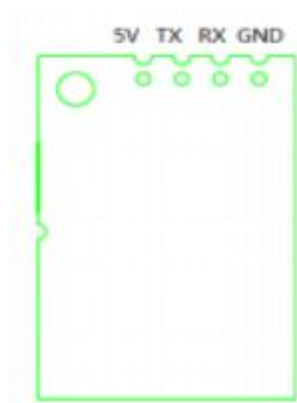
EQi_V6 Bluetooth module is a high-performance Bluetooth dual-mode module designed for all kinds of IoT devices, smart home and other fields. The module integrates the latest Bluetooth 5.4 technology, provides stable and reliable wireless connection, supports high-speed data transmission and low-latency communication, and meets the needs of diverse application scenarios.

II. Product Specifications

1. Bluetooth version: Support Bluetooth 5.4 standard, compatible with Bluetooth 4.2/4.0/3.0/2.1+EDR and other old versions.
2. Communication distance: In the barrier-free environment, the maximum communication distance can reach more than 30 meters (depending on the specific environment).
3. Power Management: No low power consumption mode.
4. Compatibility: Widely compatible with the mainstream operating systems and devices on the market, such as iOS, Android and so on.
5. Interface type: provide UART communication interface, support FTMS protocol, serial port baud rate: 9600
7. Antenna design: built-in PCB on-board antenna.
8. Operating temperature: -0°C to $+85^{\circ}\text{C}$, to meet the needs of use in harsh environments.

III. Functional Characteristics

- Interface definition:



Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

The module in this product is labeled with its own FCC ID. The FCC ID is not visible when the module is installed inside another device. Therefore, the outside of the device into which the module is installed must also display a label referring to the module. The final end device must be labeled in a visible area with the following

"Contains FCC ID: 2A4NH-EQIV6"

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement:

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Déclaration d'IC sur l'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux radiations définies par le Canada pour des environnements non contrôlés.

Cet émetteur ne doit pas être installé au même endroit ni utilisé avec une autre antenne ou un autre émetteur.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Cet équipement doit être installé et utilisé à une distance minimum de 20 cm entre l'antenne et votre corps.