



Certificate of Radio Equipment in JAPAN 201-230385 / 00

Issued 13 June 2023
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This certificate has THREE Annexes

Kiwa Nederland B.V., operating as Japan Conformity Assessment Body (CAB ID Number: 201), according procedure RD_740, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment (ordinance of MPT N° 37,1981)

Product description: 2.4GHz Wi-Fi & BT IoT Module
Trademark: ESPRESSIF
Type designation: ESP32-S3-MINI-1

Manufacturer: Espressif Systems (Shanghai) Co.,Ltd.
Address: Suite 204, Block 2, 690 Bibo Road, Zhang Jiang Hi-Tech Park, Shanghai, China
City: Shanghai
Country: China

This certificate is granted to:

Name: Espressif Systems (Shanghai) Co.,Ltd.
Address: Suite 204, Block 2, 690 Bibo Road, Zhang Jiang Hi-Tech Park, Shanghai, China
City: Shanghai
Country: China

Ron Scheepers
Managing director



Kiwa Nederland B.V.
Wilmersdorf 50
Postbus 137
7300 AC Apeldoorn
The Netherlands

<https://www.kiwa.com/nl/en/markets/radio-wireless-and-electrical-equipment/>

Chamber of commerce
08090048

- The validity of this Certificate is limited to products, which are equal to the one examined in the type-examination
- When the manufacturer (or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:



R 201-230385

Remarks and observations

The following conditions are applicable:

Antennas for IEEE 802.11b/g/n & Bluetooth:
PCB antenna, max gain of 4.54 dBi at 2.4 GHz.

Documentation lodged for this type-examination

Test Reports:

- Sporton International Inc. (KunShan): JR332103A, 06 June 2023
- Sporton International Inc. (KunShan): JR332103B, 06 June 2023
- Sporton International Inc. (KunShan): JR332103C, 06 June 2023

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Antenna specifications
- Internal photos
- External photos
- Manual
- Production quality
- Test setup photos

Technical Standards and Specifications

The product shows no non-compliances with:

- Equipment Radio Regulations: 2008 (including amendments)

Chapter I, General Provisions

Chapter II, Transmitting equipment

Chapter III, Receiving Equipment

Chapter IV, section 4.17 article 49.20

Radio equipment specified in:

Item 19, Paragraph 1, Article 2

Item 19-2, Paragraph 1, Article 2

Technical features and characteristics

The product includes the following features and characteristics:

IEEE 802.11b

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: G1D
- Maximum output power: 5.700 mW/MHz rated

IEEE 802.11g

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: D1D,G1D
- Maximum output power: 5.700 mW/MHz rated

IEEE 802.11n (HT20)

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: D1D,G1D
- Maximum output power: 4.400 mW/MHz rated

IEEE 802.11n (HT40)

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: D1D,G1D
- Maximum output power: 2.400 mW/MHz rated

IEEE 802.11b ch14

- Operating frequency range: 2484-2484 MHz
- ITU designation: G1D
- Maximum output power: 5.70 mW/MHz rated

Bluetooth LE_1M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: F1D
- Maximum output power: 5.500 mW rated

Bluetooth LE_2M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: F1D
- Maximum output power: 5.500 mW rated

The product as described in this Certificate includes the following type designations:

- Product description: 2.4GHz Wi-Fi & BT IoT Module
- Trademark: ESPRESSIF
- Type designation: ESP32-S3-MINI-1