



Certificate Number T.2021.12.0002
 Certificate Holder ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD
 Certificate Holder Address Suite 101, Block 2, 690 Bibo Road
 Zhang Jiang Hi- Tech Park, Shanghai
 China
 Product Model Name ESP32-WROOM-DA
 Product Description Wi-Fi & Bluetooth Internet of Things Module
 Manufacturer
 (if different from Certificate Holder)

Type Examination Certificate	In accordance with Annex III of Council Directive 2014/53/EU, Radio Equipment Directive (RED), and the mutual recognition of their conformity we give our opinion that the submitted documentation for the apparatus identified above complies with the requirements of the directive in the scope stated below.
Marking	The apparatus shall be marked with the CE mark as required by the Council Directive 2014/53/EU.
Validity	The conformity stated in this EU-Type Examination Certificate is provided until the assessed type of equipment or the standard(s) has(have) undergone changes or modifications but not later than 10 years after the issue date of this certificate.
Annex	The certificate is only valid together with the annex.

Conformity Assessment

Essential Requirement	Examined Documentation	Result
Safety RED, Article 3.1a	Technical Documentation	conform
Health RED, Article 3.1a	Technical Documentation	conform
EMC RED, Article 3.1b	Technical Documentation	conform
Radio Spectrum RED, Article 3.2	Technical Documentation	conform

CE 2784

St. Ingbert, 22.12.2021
Place, issue date



Authorized Signature

EU-Type Examination Certificate



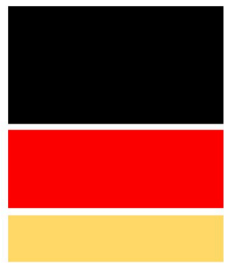
Product Characteristics

Brand Name		ESPRESSIF
Hardware Version		V1.1
Software Version		V1.1.3.0
Operating Frequency	BT	2402 – 2480 MHz
	WLAN	2412 – 2462 MHz
Output Power	BT	8.91 dBm EIRP
	WLAN	19.13 dBm EIRP
Antenna		Internal Antenna(s)
Temperature		-40°C - +85°C

Evaluated Test Reports

Essential Requirement	Examined Documentation
Safety RED, Article 3.1a	EN 62368-1:2014+A11:2017 Report-No.: C21T00112-SAF01-V00 issued by Industrial Internet Innovation Center (Shanghai) Co., Ltd.
Health RED, Article 3.1a	EN 62311:2008 Report-No.: C21T00112-SAR01-V02 issued by Industrial Internet Innovation Center (Shanghai) Co., Ltd.
EMC RED, Article 3.1b	EN 301 489-1 V2.2.3 (2019-11), EN 301 489-17 V3.2.4 (2020-09), EN 55032:2015+A11:2020 Report-No.: C21T00112-EMC01-V00 issued by Industrial Internet Innovation Center (Shanghai) Co., Ltd.
Radio Spectrum RED, Article 3.2	EN 300 328 V2.2.2 Report-No.: C21T00112-SRD01-V02 issued by Industrial Internet Innovation Center (Shanghai) Co., Ltd. EN 300 328 V2.2.2 Report-No.: C21T00112-SRD02-V02 issued by Industrial Internet Innovation Center (Shanghai) Co., Ltd. EN 300 328 V2.2.2 Report-No.: C21T00112-SRD03-V02 issued by Industrial Internet Innovation Center (Shanghai) Co., Ltd.

EU-Type Examination Certificate



Limitations / Restrictions

- RF Exposure was calculated with a separation distance of 20 cm.
- The assessed Technical Construction File is part of the application.

Notes

- Changes / Amendments of the specified regulations and standards during the validity of this certificate require a re-assessment of the product before placement on the market.
- The manufacturer is obliged to take all necessary measures to ensure ongoing conformity of the manufactured product with the approved type as described in this certificate and the requirements of Directive 2014/53/EU.
- The CE mark shall be affixed to each item of radio equipment that is in conformity with the type described in this certificate and that satisfies the applicable Directive requirements.
- A copy of the Declaration of Conformity drawn up by the manufacturer for each radio equipment type shall be made available to the relevant authorities and must be kept at their disposal for at least 10 years after the radio equipment has been placed on the market.

EU-Type Examination Certificate