

TIMCO ENGINEERING, INC.

849 NW State Road 45
Newberry, Florida 32669

www.timcoengr.com

(352) 472-5500 CB@timcoengr.com

January 25, 2021

Job Number: 0234-21
Radio Cert. No.: IC: 21098-ESP32MINI1

ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD.
Suite 204, Block 2, 690 Bibo Road, Zhang Jiang Hi-Tech Park,
Shanghai, China (201203)

Attention: Mia Zhou

Dear ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD.:

We have reviewed the test report and related documents, and are pleased to advise that this device meets our procedural and specification requirements for certification. The field offices have been notified.

The assigned certification number and the model number must be shown on each equipment model. This certification identification information may be shown on the equipment model identification plate or on a separate label that shall be indelible and tamper proof. The certification number shall be prefixed with the letters "IC:". Radio equipment is certified as described on the attached certification certificate.

Certificate(s) are attached for the following HVIN/ model(s):
ESP32-MINI-1

Please feel free to contact us if you have any questions or comments.

Sincerely,

Timco Engineering, Inc.

Canadian Certification

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TECHNICAL ACCEPTANCE CERTIFICATE

Certification No.

> IC: 21098-ESP32MINI1

Issued To

> ESPRESSIF SYSTEMS
(SHANGHAI) CO., LTD.
Suite 204, Block 2, 690 Bibo Road,
Zhang Jiang Hi-Tech Park, Shanghai,
China (201203)

Tested By

> TA Technology (Shanghai) Company, Limited
Company No.: 8510A
No.145, Jintang Rd, Tangzhen IndustryPark, Pudong
xukai@ta-shanghai.com

Type of Equipment

- > Wi-Fi Device
- > Bluetooth Device

Type of Service

- > New Certification (Single)

Hardware Version Id Number (HVIN)

- > ESP32-MINI-1

Firmware Version Id Number (FVIN)

- > V171

Product Marketing Name: (PMN)

- > ESP32-MINI-1

Host Marketing (HMN)

- > N/A

FREQUENCY RANGE	EMISSION DESIGNATIONS NECESSARY BANDWIDTH & EMISSION CLASSIFICATION	R.F. POWER	ANTENNA INFO	SPECIFICATION/ ISSUE & DATE	
2402- 2480MHz	842KF1D	0.007W	PCB Antenna, 2.7dBi	RSS-247	Issue 2; Feb.17
2402- 2480MHz	1M19G1D	0.013W	PCB Antenna, 2.7dBi	RSS-247	Issue 2; Feb.17
2402- 2480MHz	1M09F1D	0.006W	PCB Antenna, 2.7dBi	RSS-247	Issue 2; Feb.17
2412-2462MHz	13M1G1D	0.115W	PCB Antenna, 2.7dBi	RSS-247	Issue 2; Feb.17
2412-2462MHz	17M5D1D	0.088W	PCB Antenna, 2.7dBi	RSS-247	Issue 2; Feb.17
2422-2452MHz	36M4D1D	0.115W	PCB Antenna, 2.7dBi	RSS-247	Issue 2; Feb.17

Note1: This equipment also complies with RSS-102, Issue 5 (March 2015) and RSS-Gen, Issue 5 (March 2019)

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the ISED issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by ISED. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by ISED.

La certification de l'équipement signifie uniquement que l'équipement a satisfait aux exigences de la spécification susmentionnée. Les demandes de licence, le cas échéant pour utiliser un équipement certifié, sont traitées en conséquence par le bureau émetteur d'ISED et dépendront de l'environnement radio, du service et du lieu d'exploitation existants. Ce certificat est délivré à condition que le titulaire se conforme et continuera de se conformer aux exigences et procédures émises par ISED. L'équipement pour lequel ce certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins que l'équipement ne soit conforme aux spécifications et procédures techniques applicables émises par ISED.

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specifications.

J'atteste par la présente que le matériel a fait l'objet d'essai et jugé conforme à la spécification ci-dessus.

ISSUED UNDER THE AUTHORITY OF MINISTER OF INDUSTRY
DÉLIVRÉ AVEC L'AUTORISATION DU MINISTRE DES INDUSTRIES

DATE: January 25, 2021

Bruno Clavier, General Manager

Canadian Certification