

# TIMCO ENGINEERING, INC.

849 NW State Road 45  
Newberry, Florida 32669

[www.timcoengr.com](http://www.timcoengr.com)

(352) 472-5500 • [CB@timcoengr.com](mailto:CB@timcoengr.com)

June 23, 2021

Job Number: 2765-21  
Radio Cert. No.: IC: 21098-ESPC3MINI1

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-C3-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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Job No. ➤ 2765-21

## TECHNICAL ACCEPTANCE CERTIFICATE

Certification No.

➤ IC: 21098-ESPC3MINI1

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) Co., Ltd.  
Company No.: 8510A  
Building 3, No. 145 Jintang Rd. Tangzhen Industry Park  
Shanghai, 201201 CN  
86-21-50791141; hanjinnan@ta-shanghai.com

Type of Equipment

➤ other

Type of Service

➤ New Certification (Single)

Hardware Version Id Number (HVIN)

➤ ESP32-C3-MINI-1

Firmware Version Id Number (FVIN)

➤ V1.1.3.0

Product Marketing Name: (PMN)

➤ ESP32-C3-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	1M03F1D	0.012W	PCB Antenna, 3.96dBi	RSS-247	Issue 2; Feb. 17
2402-2480MHz	2M05F1D	0.012W	PCB Antenna, 3.96dBi	RSS-247	Issue 2; Feb. 17
2412-2462MHz	13M1G1D	0.177W	PCB Antenna, 3.96dBi	RSS-247	Issue 2; Feb. 17
2412-2462MHz	17M1D1D	0.171W	PCB Antenna, 3.96dBi	RSS-247	Issue 2; Feb. 17
2412-2462MHz	34M8D1D	0.099W	PCB Antenna, 3.96dBi	RSS-247	Issue 2; Feb. 17
2412-2462MHz	18M0D1D	0.141W	PCB Antenna, 3.96dBi	RSS-247	Issue 2; Feb. 17

Note 1: This equipment also complies with RSS-102, Issue 5 (March 2015) and RSS-Gen, Issue 5 (April 2018).

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: June 23, 2021

Bruno Clavier, General Manager

## Canadian Certification