

TCB

GRANT OF EQUIPMENT AUTHORIZATION

TCB

Certification Issued Under the Authority of the Federal Communications Commission By:

Timco Engineering, Inc. 849 NW State Road 45 Newberry, FL 32669

Date of Grant: 01/22/2021 Application Dated: 01/22/2021

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

Attention: Mia Zhou

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: 2AC7Z-ESP32MINI1 Name of Grantee: ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD Equipment Class: Digital Transmission System Notes: Wi-Fi & Bluetooth Internet of Things Module Modular Type: Single Modular

Table with 5 columns: Grant Notes, FCC Rule Parts, Frequency Range (MHZ), Output Watts, Frequency Tolerance, Emission Designator. Rows include FCC Rule Parts 15C and 15C with corresponding frequency ranges and output powers.

Single Modular Approval. Output power listed is the maximum conducted output power. This module is to be used only for mobile or fixed applications. Co-location of this module with other transmitters that operate simultaneously are required to be evaluated using the FCC multi-transmitter procedures. The module antenna(s) must be installed to meet the RF exposure compliance separation distance of 20 cm and any additional testing and authorization process as required. Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. This grant is valid only when the device is sold to OEM integrators and the OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the device. Separate approval is required for all other operating configurations, including portable configurations with respect to 2.1093 and different antenna configurations. This device has 20MHz and 40MHz bandwidth modes.