



Wi-Fi CERTIFIED™ Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org/certification/programs

Certification ID: WFA111502

Product Info

Date of Certification	April 14, 2021
Company	Espressif Systems (Shanghai) Co., Ltd.
Product Name	Wi-Fi & Bluetooth Internet of Things Module
Product Model Variant	ESP32-C6-WROOM-1
Model Number	ESP32-C6-WROOM-1
Category	Other
Sub-category	Other

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Connectivity	2.4 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6™ Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
Optimization	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-02 WPA™-Personal



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Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

FreeRTOS

Wi-Fi Component Firmware

V7.6

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2020-02

WPA™-Personal

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6™

A-MPDU with A-MSDU
 Announce of Unannounce TWT
 Beamforming sounding
 BSRP Trigger frame
 DL Mu PPDU multi-tone
 DL MU-MIMO
 iTWT
 MU EDCA Parameter Set element
 MU-BAR Trigger frame

Wi-Fi CERTIFIED 6™ (continued)

MU-RTS Trigger frame
 OM Control field Tx
 Operating Mode Tx
 SU beamformee
 UL OFDMA

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

STBC
 A-MPDU Tx
 Short Guard Interval