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 ID: WFA138422

Product Info

Date of Certification	December 18, 2025
Company	Espressif Systems (Shanghai) Co., Ltd.
Product Name	2.4GHz Wi-Fi & BLE IoT Module
Product Model Variant	ESP8684-WROOM-02C
Model Number	ESP8684-WROOM-02C
Category	Other
Sub-category	Embedded Module

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Network management	WMM®
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2024-10
Wi-Fi (MAC/PHY)	2.4 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

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Wi-Fi Components

Wi-Fi Component Operating System

FreeRTOS

Wi-Fi Component Firmware

v5.2

RF Architecture

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

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

Protected Management Frames

WMM®

WPA2™-Enterprise 2018-04

EAP methods
　　EAP TLS
　　EAP TTLS
　　PEAPv0

WPA2™-Personal 2021-01

WPA3™-Enterprise 2022-12

EAP methods
　　EAP TLS
　　EAP TTLS
　　PEAPv0
Server Certificate Validation

WPA3™-Personal 2024-10

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

A-MPDU Tx
Short Guard Interval
STBC