Wi-Fi CERTIFIED™ Interoperability Certificate

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

Date of Last Certification	May 11, 2020
Company	Espressif Inc.
Product	Wi-Fi & Bluetooth Internet of Things Module
Model Number	ESP32-WROOM-32E
Product Identifier(s)	
Category	Other
Subcategory	Embedded Module
Hardware Version	Product: V1.2, Wi-Fi Component: E
Firmware Version	Product: V4.1, Wi-Fi Component: V7.0
Operating System	FreeRTOS
Frequency Band(s)	2.4 GHz

Summary of Certifications

CLASSIFICATION	PROGRAM
Connectivity	Wi-Fi CERTIFIED™ b, g, n
	WPA™ – Enterprise, Personal
	WPA2™ – Enterprise, Personal
	WPA3™ – Enterprise, Personal
Optimization	WMM®

Security

WPA™ – Enterprise, Personal
WPA2™ – Enterprise, Personal
WPA3™ – Enterprise, Personal (Aug 2019)
　　　EAP Type(s)
　　　　　EAP-TLS
　　　　　EAP-TTLS/MSCHAPv2
　　　　　PEAPv0/EAP-MSCHAPv2
Protected Management Frames

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

2.4 GHz
1 Spatial Stream 2.4 GHz
Short Guard Interval
TX A-MPDU
STBC Receive
40 MHz operation in 2.4 GHz, with coexistence mechanisms

WMM®