

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: WFA69503

Product Info

Date of Certification January 4, 2017

Company Espressif Systems (Shanghai) Co., Ltd.

Product Name ESP32 Lyra Speaker

Product Model Variant 2017-01-04 (WFA69503 - 4925893)

Model Number ESP-WROOM-32

Category Gaming, Media & Music

Sub-category Digital Audio - Stationary (speakers, receiver, MP3 player)

Summary of Certifications

CLASSIFICATION CERTIFICATION

Access Wi-Fi Protected Setup™

Connectivity 2.4 GHz Spectrum Capabilities

Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

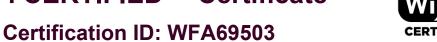
Optimization WMM®

Security WPA2[™]-Enterprise

WPA2[™]-Personal WPA[™]-Enterprise WPA[™]-Personal



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Role: Station Page 2 of 2

Wi-Fi Components

Wi-Fi Component Operating System

Proprietary / Other, version:V8.2.0, description:FreeRTOS

Wi-Fi Component Firmware

V1.0.0

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 40 MHz Channel Width in 2.4 GHz

WMM®

WPA2™-Enterprise

EAP methods

EAP TLS

EAP TTLS

PEAPv0

WPA2™-Personal

WPA™-Enterprise

WPA™-Personal

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

STBC

Wi-Fi CERTIFIED™ n (continued)

A-MPDU Tx

RIFS

Short Guard Interval

Wi-Fi Protected Setup™

PIN

Pushbutton