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: WFA128683

Product Info

Date of Certification	November 6, 2023
Company	Allterco Robotics
Product Name	Shelly X
Product Model Variant	ESP32-C3-MINI-1
Model Number	Shelly-X-MOD1-H8
Category	Smart Home
Sub-category	Smart Appliances (Small)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Connectivity	2.4 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
Optimization	WMM®
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2020-02 WPA3™-Enterprise 2020-02 WPA3™-Personal 2020-02 WPA™-Enterprise WPA™-Personal

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Wi-Fi Components

Wi-Fi Component Operating System
Free RTOS

Wi-Fi Component Firmware
C

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

Protected Management Frames

WMM®

WPA2™-Enterprise 2018-04

EAP methods
   EAP TLS
   EAP TTLS
   PEAPv0

WPA2™-Personal 2020-02

WPA3™-Enterprise 2020-02

EAP methods
   EAP TLS
   EAP TTLS
   PEAPv0
Server Certificate Validation

WPA3™-Personal 2020-02

WPA™-Enterprise

WPA™-Personal

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

A-MPDU Tx
Short Guard Interval
STBC