



# 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](http://www.wi-fi.org/certification/programs)

**Certification ID: WFA112636**

## Product Info

Date of Certification	July 6, 2021
Company	Amazon.com Services Inc
Product Name	Smart Outdoor Plug
Product Model Variant	The source product (Embedded Module) is used into the end product without change.
Model Number	HPPA52CWBAMZ
Category	Smart Home
Sub-category	Smart Home Energy

## 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™-Personal 2020-02 WPA3™-Personal 2020-02

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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

FreeRTOS

### Wi-Fi Component Firmware

V7.0

### 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

### Protected Management Frames

### WMM®

### WPA2™-Personal 2020-02

### WPA3™-Personal 2020-02

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

STBC

A-MPDU Tx

Short Guard Interval

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