



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: WFA91875

Product Info

Date of Certification	January 31, 2020
Company	TP-Link Systems Inc.
Product Name	AC1200 Whole Home Mesh Wi-Fi System
Product Model Variant	2020-01-31 (WFA91875 - 10308007)
Model Number	HC221-G1
Category	Routers
Sub-category	Access Point for Home or Small Office (Wireless Router)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
Optimization	WMM® Wi-Fi EasyMesh™
Security	Protected Management Frames WPA2™-Personal 2018-04

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Role: Access Point

Page 2 of 3

Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

10.4

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	2	2

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz
40 MHz Channel Width in 2.4 GHz

5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz
40 MHz Channel Width in 5 GHz
80 MHz Channel Width in 5 GHz

Protected Management Frames

WMM®

WPA2™-Personal 2018-04

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU
MCS 8-9 Rx
Short Guard Interval

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel
Short Guard Interval
A-MPDU Tx

Wi-Fi EasyMesh™

Backhaul Link
Backhaul in 2.4 GHz
Backhaul in 5 GHz low band
Backhaul in 5 GHz high band
Fronthaul Access Point
Fronthaul in 2.4 GHz
Fronthaul in 5 GHz low band
Fronthaul in 5 GHz high band
Agent-initiated Steering capability
Client Capability Query
Backhaul onboarding with Wi-Fi Protected Setup pushbutton

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Certification ID: WFA91875



Role: Controller

Page 3 of 3

Wi-Fi Components

Wi-Fi Component Operating System

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Certifications

Wi-Fi EasyMesh™

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