



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: WFA100505

Product Info

Date of Certification	June 23, 2020
Company	Samsung Electronics
Product Name	SM-H204V
Product Model Variant	2020-06-23 (WFA100505 - 11270336)
Model Number	SM-H204V
Category	Routers
Sub-category	Access Point for Home or Small Office (Wireless Router)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Access	Wi-Fi Protected Setup™
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6™ Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
Optimization	WMM® WMM®-Admission Control WMM®-Power Save Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™ R1
Security	Protected Management Frames WPA2™-Personal 2018-04 WPA3™-Personal 2019-08 WPA™-Personal



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Summary of Certifications (continued)

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CLASSIFICATION

CERTIFICATION

Spectrum & Regulatory
Features

Spectrum & Regulatory



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

WLAN.HK.2.2-02207-

QCAHKSWPL_SILICONZ-1 v2

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	4	4

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width

40 MHz Channel Width

WMM®-Power Save (continued)

Legacy Power Save

Unschedule auto PS

5 GHz Spectrum Capabilities

20 MHz Channel Width

40 MHz Channel Width

80 MHz Channel Width

160 MHz Channel Width

WPA2™-Personal 2018-04

WPA3™-Personal 2019-08

WPA™-Personal

Wi-Fi Agile Multiband™

Protected Management Frames

Wi-Fi CERTIFIED 6™

Spectrum & Regulatory

802.11d

802.11h

4 antenna support

A-MPDU with A-MSDU

Basic Trigger frame in HE MU PPDU

BSRP Trigger frame

Compressed BlockACK Rx

Compressed BlockACK Tx

DL MU-MIMO

DL OFDMA

iTWT

LDPC Rx

LDPC Tx

WMM®

WMM®-Admission Control

WMM®-Power Save



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Role: Access Point

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Wi-Fi CERTIFIED 6™ (continued)

MCS 8-9 Rx
MCS 8-9 Tx
MCS 10-11 Rx
MCS 10-11 Tx
MU EDCA Parameter Set element
MU-BAR Trigger frame
MU-RTS Trigger frame
Multi-BSSID
Operating Mode
SU beamformer
TXOP RTS Threshold
UL OFDMA

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support
A-MPDU with A-MSDU
DL MU-MIMO
LDPC Rx
LDPC Tx
MCS 8-9 Rx
Short Guard Interval
STBC
SU beamformer

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel

Wi-Fi CERTIFIED™ n (continued)

Short Guard Interval
STBC
A-MPDU Tx

Wi-Fi EasyMesh™ R1

Backhaul Link
 Backhaul over Ethernet
Fronthaul Access Point
 Fronthaul in 2.4 GHz
 Fronthaul in 5 GHz low band
 Fronthaul in 5 GHz high band
Unassociated STA Link Metrics Reporting

Wi-Fi Protected Setup™

PIN
Pushbutton



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Role: Controller

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Certifications

Wi-Fi EasyMesh™ R1