



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: WFA111620

Product Info

| | |
|-----------------------|-------------------------|
| Date of Certification | April 14, 2021 |
| Company | Samsung Electronics |
| Product Name | NP345XLA |
| Product Model Variant | 2021-04-12 |
| Model Number | NP345XLA |
| Category | Computers & Accessories |
| Sub-category | Laptop Computer |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|--------------------------------|--|
| Access | Wi-Fi Protected Setup™ |
| 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 Wi-Fi Direct® |
| Optimization | WMM® WMM®-Power Save |
| Security | Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-02 WPA™-Personal |
| Spectrum & Regulatory Features | Spectrum & Regulatory |



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Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

Windows 10

Wi-Fi Component Firmware

WLAN.HL.3.2.2-00739

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

Spectrum & Regulatory

802.11h

WMM®

WMM®-Power Save

Legacy Power Save
Unschedule auto PS

WPA2™-Personal 2021-01

WPA3™-Personal 2020-02

WPA™-Personal

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

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

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

STBC
A-MPDU Tx



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Wi-Fi CERTIFIED™ n (continued)

OBSS on Extension Channel
Short Guard Interval

Wi-Fi Direct®

Wi-Fi Protected Setup™

PIN
Pushbutton