



# 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: 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™   |
| Alternative topologies | Wi-Fi Direct®  |
| Network management     | WMM®<br>WMM®-Power Save  |
| Security               | Protected Management Frames<br>WPA2™-Personal 2021-01<br>WPA3™-Personal 2020-02  |
| Wi-Fi (MAC/PHY)        | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Spectrum & Regulatory<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n |

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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

### 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  
OBSS on Extension Channel  
Short Guard Interval

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Wi-Fi Direct®

Wi-Fi Protected Setup™

PIN

Pushbutton

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