



# 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: WFA112075**

## Product Info

<b>Date of Certification</b>	May 5, 2021
<b>Company</b>	NETGEAR
<b>Product Name</b>	Nighthawk Mesh WiFi 6 Satellite
<b>Product Model Variant</b>	MR80
<b>Model Number</b>	MS80
<b>Category</b>	Routers
<b>Sub-category</b>	Repeater, Extender, Mesh System, Controller

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Connectivity</b>	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
<b>Optimization</b>	WMM® Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™
<b>Security</b>	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-02

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Proprietary / Other, description: NETGEAR

### Wi-Fi Component Firmware

1

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
5 GHz	3	3

### Wi-Fi Component Operating System

Proprietary / Other, description: NETGEAR

### Wi-Fi Component Firmware

1

### 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 2021-01

### WPA3™-Personal 2020-02

### Wi-Fi Agile Multiband™

### Wi-Fi CERTIFIED 6®

- A-MPDU with A-MSDU
- Basic Trigger frame in HE MU PPDU
- BSRP Trigger frame
- DL MU-MIMO
- DL OFDMA
- Individual Target Wake Time
- LDPC Rx
- LDPC Tx
- 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
- Operating mode subfield in A-Control field
- Operating mode indication
- Operating mode UL MU Rx
- SU beamformer
- SU-MIMO

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## Wi-Fi CERTIFIED 6® (continued)

TXOP RTS Threshold  
UL OFDMA

## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

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

HT Duplicate Mode  
OBSS on Extension Channel  
Short Guard Interval  
STBC  
A-MPDU Tx

## Wi-Fi EasyMesh™

Backhaul Link  
    Backhaul in 5 GHz high band  
    Backhaul over Ethernet  
Fronthaul Access Point

## Wi-Fi EasyMesh™ (continued)

    Fronthaul in 2.4 GHz  
    Fronthaul in 5 GHz low band  
Client Capability Query  
Unassociated STA Link Metrics Reporting  
Backhaul onboarding with Wi-Fi Protected Setup pushbutton

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**Role: Controller**

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## Wi-Fi Components

### Wi-Fi Component Operating System

Proprietary / Other, description: NETGEAR

## Certifications

**Wi-Fi EasyMesh™**

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