



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: WFA111193

Product Info

| | |
|------------------------------|---------------------------------------------|
| Date of Certification | May 3, 2021 |
| Company | NETGEAR |
| Product Name | Nighthawk Mesh WiFi 6 Router |
| Product Model Variant | MS80 |
| Model Number | MR80 |
| Category | Routers |
| Sub-category | Repeater, Extender, Mesh System, Controller |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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® Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™ |
| Security | 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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