



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: WFA114480

Product Info

Date of Certification	December 27, 2021
Company	Zyxel Communications Corporation
Product Name	5G NR Indoor Router
Product Model Variant	NR5103_MESH
Model Number	NR5103
Category	Routers
Sub-category	Access Point for Home or Small Office (Wireless Router)

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™ R2
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-02 WPA™-Personal



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux Kernel 4.19.190

Wi-Fi Component Firmware

7.4.0.0

RF Architecture

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

Wi-Fi Component Operating System

Linux Kernel 4.19.190

Wi-Fi Component Firmware

7.4.0.0

RF Architecture

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2.4 GHz	4	4
5 GHz	4	4

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

WPA™-Personal

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6™

4 antenna support
A-MPDU with A-MSDU
BSRP Trigger frame
Compressed BlockACK Rx
Compressed BlockACK Tx
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



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Wi-Fi CERTIFIED 6™ (continued)

MCS 10-11 Tx
MU EDCA Parameter Set element
MU-BAR Trigger frame
Multi-BSSID
Operating Mode
SU beamformer
SU-MIMO
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



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Role: Controller

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Wi-Fi Component Operating System

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Certifications

Wi-Fi EasyMesh™ R2