



Wi-Fi CERTIFIED™ Interoperability 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: WFA101085

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Date of Last Certification	July 17, 2020
Company	Zyxel Communications Corporation
Product	Amplificador Smart WiFi6
Model Number	HGW-500IX4X8-Q v5
Product Identifier(s)	Wireless Bridge (SKU)
Category	Routers
Subcategory	Mobile Access Point
Hardware Version	Product: A0B, Wi-Fi Component: QSR10GU-AX
Firmware Version	Product: GL_g2.1_100XPA0b4, Wi-Fi Component: GL_g2.1_100XPA0b4
Operating System	Linux
Frequency Band(s)	2.4 GHz, 5 GHz - Concurrent

Summary of Certifications

CLASSIFICATION	PROGRAM
Connectivity	Wi-Fi CERTIFIED 6™
	Wi-Fi CERTIFIED™ a, b, g, n, ac
	WPA2™ - Personal
	WPA3™ - Personal
	Wi-Fi Enhanced Open™
Optimization	WMM®



Security

WPA2™ - Personal
WPA3™ - Personal (Aug 2019)
Protected Management Frames

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

2.4 GHz, 5 GHz - Concurrent
3 Spatial Streams 2.4 GHz
3 Spatial Streams 5 GHz
Short Guard Interval
TX A-MPDU
STBC Transmit
40 MHz operation in 2.4 GHz, with coexistence mechanisms
40 MHz operation in 5 GHz

Wi-Fi CERTIFIED™ ac

4 Spatial Streams 5 GHz
Rx MCS 8-9 (256-QAM)
Tx STBC 2x1
Rx A-MPDU of A-MSDU
Tx SU beamformer
Low Density Parity Check coding
Tx DL MU-MIMO
RTS with BW Signaling
Rx 160 MHz operations
Extended 5 GHz Channel Support

Wi-Fi CERTIFIED 6™

4 Spatial Streams 2.4 GHz Rx
8 Spatial Streams 5 GHz Rx
Maximum Supported Channel Width (20, 40, 80 MHz)
DL MU-MIMO
8 Spatial Stream sounding
DL SU Beamforming
DL OFDMA
Target Wake Time (TWT)
UL OFDMA
MCS 8-9 Rx
MCS 10-11 Rx
MU-RTS /CTS trigger frame
MU EDCA Parameter set
Multiple-BSSID Set
Low Density Parity Check (LDPC) coding
Operating Mode Rx

Wi-Fi Enhanced Open™

ECC Group 20

WMM®

Spectrum and Regulatory Features

802.11d
802.11h