



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: WFA101091

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Date of Last Certification	July 14, 2020
Company	Nokia Shanghai Bell Co., Ltd.
Product	Mesh Wi-Fi 6 System
Model Number	HA-0236G-A
Product Identifier(s)	
Category	Routers
Subcategory	Repeater, Extender, Mesh System, Controller
Hardware Version	Product: 3FE48265, Wi-Fi Component: 3FE49001
Firmware Version	Product: 3FE48295, Wi-Fi Component: 3FE48295
Operating System	Linux, version: 1.0
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
	WPA™ – Enterprise, Personal
	WPA2™ – Enterprise, Personal
	WPA3™ – Enterprise, Personal
Optimization	Wi-Fi Agile Multiband™
	Wi-Fi EasyMesh™
	WMM®
	WMM®-Power Save
Access	Wi-Fi Protected Setup™



Security

WPA™ – Enterprise, Personal
WPA2™ – Enterprise, Personal
WPA3™ – Enterprise, Personal (Aug 2019)
EAP Type(s)
Any EAP Type
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
2 Spatial Streams 2.4 GHz
2 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

2 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

Wi-Fi CERTIFIED 6™

2 Spatial Streams 2.4 GHz Rx
2 Spatial Streams 5 GHz Rx
Maximum Supported Channel Width (20, 40, 80 MHz)
DL MU-MIMO
DL SU Beamforming
DL OFDMA
UL OFDMA
Target Wake Time (TWT)
Low Density Parity Check (LDPC) coding
Operating Mode Rx

Wi-Fi Agile Multiband™

WMM®

WMM®-Power Save

Wi-Fi Protected Setup™

2.4 GHz, 5 GHz - Concurrent
PIN
Push-Button (PBC)

Wi-Fi EasyMesh™

Release 1
Wi-Fi EasyMesh™ Controller
Wi-Fi EasyMesh™ Access Point
Backhaul Link
Wi-Fi 5 GHz high band - Dedicated
Ethernet
Fronthaul Access Point
Wi-Fi 2.4 GHz - Shared
Wi-Fi 5 GHz low band - Shared
Wi-Fi 5 GHz high band - Shared
Unassociated STA Link Metrics Reporting