



## 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](http://www.wi-fi.org/certification/programs)



**Certification ID: WFA101090**

**Page 1 of 2**

<b>Date of Last Certification</b>	July 14, 2020
<b>Company</b>	Nokia Shanghai Bell Co., Ltd.
<b>Product</b>	Mesh Wi-Fi 6 System
<b>Model Number</b>	HA-0236G-A
<b>Product Identifier(s)</b>	
<b>Category</b>	Routers
<b>Subcategory</b>	Repeater, Extender, Mesh System, Controller
<b>Hardware Version</b>	Product: 3FE48265, Wi-Fi Component: 3FE49001
<b>Firmware Version</b>	Product: 3FE48295, Wi-Fi Component: 3FE48295
<b>Operating System</b>	Linux, version: version: 1.0
<b>Frequency Band(s)</b>	2.4 GHz, 5 GHz - Concurrent

### Summary of Certifications

<b>CLASSIFICATION</b>	<b>PROGRAM</b>
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  
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 (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  
4 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