



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

**Certification ID: WFA129947**

## Product Info

<b>Date of Certification</b>	February 19, 2024
<b>Company</b>	Fiberhome Technologies Group Corporation
<b>Product Name</b>	GPON ONU
<b>Product Model Variant</b>	HG6243F(ONU)
<b>Model Number</b>	HG6243F(ONU)
<b>Category</b>	Routers
<b>Sub-category</b>	Access Point for Home or Small Office (Wireless Router)

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Connectivity</b>	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
<b>Optimization</b>	WMM® Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™
<b>Security</b>	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-12 WPA™-Personal



# Wi-Fi CERTIFIED™ Certificate

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux

### Wi-Fi Component Firmware

0x8a00

### 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  
160 MHz Channel Width in 5 GHz

### Protected Management Frames

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2020-12

### WPA™-Personal

### Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list

### Wi-Fi Agile Multiband™ (continued)

Cellular Data aware

### Wi-Fi CERTIFIED 6®

DL OFDMA  
Individual Target Wake Time  
LDPC Rx  
LDPC Tx  
Operating Mode indication  
SU-MIMO  
UL OFDMA

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

LDPC Rx  
LDPC Tx  
Short Guard Interval  
STBC

### Wi-Fi CERTIFIED™ b



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## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

A-MPDU Tx  
HT Duplicate Mode  
OBSS on Extension Channel  
Short Guard Interval  
STBC

## Wi-Fi EasyMesh™

Backhaul Link  
    Backhaul in 2.4 GHz  
    Backhaul in 5 GHz low band  
    Backhaul in 5 GHz high band  
    Backhaul over Ethernet  
Fronthaul Access Point  
    Fronthaul in 2.4 GHz  
    Fronthaul in 5 GHz low band  
    Fronthaul in 5 GHz high band  
Client Capability Query  
Agent-initiated Steering capability  
Unassociated STA Link Metrics Reporting  
Channel Scan on Request  
Backhaul onboarding with Pushbutton  
Coordinated CAC  
Traffic separation



# Wi-Fi CERTIFIED™ Certificate

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**Role: Controller**

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## Wi-Fi Components

Wi-Fi Component Operating System

Linux

## Certifications

Wi-Fi EasyMesh™