



# Wi-Fi CERTIFIED® Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org](http://www.wi-fi.org)

**Certification ID: WFA124533**

## Product Info

<b>Date of Certification</b>	January 12, 2023
<b>Company</b>	Fiberhome Technologies Group Corporation
<b>Product Name</b>	GPON ONU
<b>Product Model Variant</b>	HG6145F3 (ONU)
<b>Model Number</b>	HG6145F3 (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>Alternative topologies</b>	Wi-Fi EasyMesh™
<b>Network management</b>	WMM® Wi-Fi Agile Multiband™
<b>Security</b>	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-12
<b>Wi-Fi (MAC/PHY)</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

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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

### Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list  
Cellular Data aware

### Wi-Fi CERTIFIED 6®

DL OFDMA  
Individual Target Wake Time  
LDPC Rx  
LDPC Tx  
Operating mode subfield in A-Control field  
Operating mode indication  
Operating mode UL MU Rx  
SU-MIMO  
UL OFDMA

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

LDPC Rx  
LDPC Tx  
Short Guard Interval  
STBC

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

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## Wi-Fi CERTIFIED™ n (continued)

- 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 Wi-Fi Protected Setup pushbutton
- Coordinated CAC
- Traffic separation

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# 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™**

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