



# 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: WFA131804**

## Product Info

<b>Date of Certification</b>	July 3, 2024
<b>Company</b>	Fiberhome Technologies Group Corporation
<b>Product Name</b>	GPON ONU
<b>Product Model Variant</b>	HG6042FT
<b>Model Number</b>	HG6042FT
<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



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA131804



Role: Access Point

Page 2 of 4

## Wi-Fi Components

### Wi-Fi Component Operating System

Linuxversion4.19.183

### Wi-Fi Component Firmware

1659.25222

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2

### Wi-Fi Component Operating System

Linuxversion4.19.183

### Wi-Fi Component Firmware

1659.25222

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
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™

### Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU  
Basic Trigger frame in HE MU PPDU  
BSRP Trigger frame  
DL OFDMA  
Individual Target Wake Time  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
MCS 8-9 Tx  
MCS 10-11 Rx  
MCS 10-11 Tx  
MU EDCA Parameter Set element  
MU-BAR Trigger frame  
MU-RTS Trigger frame  
Operating mode indication  
SU-MIMO  
TXOP RTS Threshold  
UL OFDMA

### Wi-Fi CERTIFIED™ a



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA131804



Role: Access Point

Page 3 of 4

## Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
Short Guard Interval  
STBC

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

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



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA131804



**Role: Controller**

**Page 4 of 4**

## Wi-Fi Components

Wi-Fi Component Operating System

Linuxversion4.19.183

## Certifications

Wi-Fi EasyMesh™