



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 ID: WFA127313

Product Info

| | |
|------------------------------|---|
| Date of Certification | July 18, 2023 |
| Company | Fiberhome Technologies Group Corporation |
| Product Name | GPON ONU |
| Product Model Variant | HG6045F3 |
| Model Number | HG6045F3 |
| Category | Routers |
| Sub-category | Access Point for Home or Small Office (Wireless Router) |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|-------------------------------|---|
| Alternative topologies | Wi-Fi EasyMesh™ |
| Network management | WMM® Wi-Fi Agile Multiband™ |
| Security | Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2020-12 |
| Wi-Fi (MAC/PHY) | 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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Role: Controller

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Certifications

Wi-Fi EasyMesh™

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