



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org

Certification ID: WFA114631

Product Info

Date of Certification February 11, 2022

Company Mercury Corporation

Product Name GiGA WiFi home 6E

Product Model Variant 6E, 6G, EasyMesh

Model Number KM16-112H

Category Routers

Sub-category Access Point for Home or Small Office (Wireless Router)

Summary of Certifications

CLASSIFICATION CERTIFICATION

Access Wi-Fi Protected Setup™

Alternative topologies Wi-Fi EasyMesh™

Network management WMM®

Wi-Fi Agile Multiband™

Security Protected Management Frames

WPA2[™]-Personal 2021-01 WPA3[™]-Personal 2020-02

Wi-Fi Enhanced Open™ 2021-01

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities6 GHz Spectrum Capabilities

Wi-Fi CERTIFIED 6®
Wi-Fi CERTIFIED™ a
Wi-Fi CERTIFIED™ b
Wi-Fi CERTIFIED™ g
Wi-Fi CERTIFIED™ n



Certification ID: WFA114631



Role: Access Point Page 2 of 4

Wi-Fi Components

Wi-Fi Component Operating System

Linux, version:4.4.60

Wi-Fi Component Firmware

V11.4

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	2	2
6 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

6 GHz Spectrum Capabilities

20 MHz Channel Width in 6 GHz 40 MHz Channel Width in 6 GHz 80 MHz Channel Width in 6 GHz 160 MHz Channel Width in 6 GHz

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2020-02

Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list Cellular Data aware

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU

Basic Trigger frame in HE MU PPDU

Beamforming sounding

BSRP Trigger frame

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

DL MU-MIMO

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



Certification ID: WFA114631



Role: Access Point Page 3 of 4

Wi-Fi CERTIFIED 6® (continued)

MU-BAR Trigger frame

MU-RTS Trigger frame

M-BSSID

Operating mode subfield in A-Control field

Operating mode indication

Operating mode UL MU Rx

SU beamformer

SU-MIMO

TXOP RTS Threshold

UL OFDMA

Wi-Fi 6E

Co-located BSS

Wi-Fi CERTIFIED™ n (continued)

Short Guard Interval

STBC

A-MPDU Tx

Wi-Fi Enhanced Open™ 2021-01

Wi-Fi Protected Setup™

PIN

Pushbutton

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

RTS with BW Signaling

A-MPDU with A-MSDU

DL MU-MIMO

LDPC Rx

LDPC Tx

MCS 8-9 Rx

Short Guard Interval

STBC

SU beamformer

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel



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Role: Controller

Wi-Fi Components

Wi-Fi Component Operating System

Linux, version:4.4.60

Certifications

Wi-Fi EasyMesh™