



# 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: WFA132159

### Product Info

<b>Date of Certification</b>	November 1, 2024
<b>Company</b>	Kaonbroadband CO., LTD.
<b>Product Name</b>	AR6445G
<b>Product Model Variant</b>	2024-10-30
<b>Model Number</b>	AR6445G
<b>Category</b>	Routers
<b>Sub-category</b>	Access Point for Home or Small Office (Wireless Router)

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Connectivity</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED 7™ Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Enhanced Open™ 2023-12
<b>Optimization</b>	WMM® Wi-Fi Agile Multiband™ Wi-Fi EasyMesh™
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2023-12



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132159



## Summary of Certifications (continued)

Page 2 of 5

### CLASSIFICATION

### CERTIFICATION

Spectrum & Regulatory  
Features

Spectrum & Regulatory



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132159



Role: Access Point

Page 3 of 5

## Wi-Fi Components

### Wi-Fi Component Operating System

Linux

### Wi-Fi Component Firmware

17.10.369.39012 (r839077)

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	3	3
5 GHz	4	4
6 GHz	4	4

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### Spectrum & Regulatory (continued)

802.11d  
802.11h

### 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

### WMM®

Max Throughput

### WPA2™-Enterprise 2018-04

EAP methods

### 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  
320 MHz channel width in 6 GHz

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2022-12

EAP methods

### Protected Management Frames

### WPA3™-Personal 2023-12

AKM 24

### Spectrum & Regulatory



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132159



Role: Access Point

Page 4 of 5

## WPA3™-Personal 2023-12 (continued)

Beacon Protection

## Wi-Fi Agile Multiband™

## Wi-Fi CERTIFIED 6®

4 antenna support  
A-MPDU with A-MSDU  
Basic Trigger frame in HE MU PPDU  
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  
MU-BAR Trigger frame  
MU-RTS Trigger frame  
M-BSSID  
Operating mode indication  
SU beamformer  
SU-MIMO  
TXOP RTS Threshold  
UL OFDMA  
Wi-Fi 6E

## Wi-Fi CERTIFIED 7™

Advertised TID-to-link mapping

## Wi-Fi CERTIFIED 7™ (continued)

A-MPDU with A-MSDU  
BSRP Trigger frame  
BSS critical update  
Compressed Block Ack Rx (buffer size 256)  
Compressed Block Ack Tx (buffer size 256)  
DL MU-MIMO  
DL OFDMA  
Dynamic MU SMPS  
EMLSR (Enhanced Multilink Single-Radio)  
EPCS (Emergency Preparedness Communications Services) priority access  
LDPC Rx  
LDPC Tx  
Load Balancing in MLO  
MCS 8-9 Rx  
MCS 8-9 Tx  
MCS 10-11 Rx  
MCS 10-11 Tx  
MCS 12-13 Rx  
MCS 12-13 Tx  
Multi-link reconfiguration – AP removal  
Multi-link reconfiguration – AP restart  
Multi-RU  
MU-RTS Trigger frame  
Operating mode indication  
Static puncturing  
STR (Simultaneous Transmit and Receive)  
SU-MIMO  
Triggered uplink access optimization  
UL MU-MIMO  
UL OFDMA

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## Wi-Fi CERTIFIED™ ac



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA132159



Role: Access Point

Page 5 of 5

## Wi-Fi CERTIFIED™ ac (continued)

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

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

## Wi-Fi EasyMesh™

Backhaul Link  
    Backhaul over Ethernet  
Fronthaul Access Point  
    Fronthaul in 2.4 GHz  
    Fronthaul in 5 GHz low band  
    Fronthaul in 5 GHz high band  
Backhaul onboarding with Wi-Fi Protected Setup pushbutton  
Coordinated CAC  
Traffic separation

## Wi-Fi Enhanced Open™ 2023-12