



# 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: WFA124144**

## Product Info

<b>Date of Certification</b>	December 8, 2022
<b>Company</b>	KAON Group Co., Ltd.
<b>Product Name</b>	KT G-Box
<b>Product Model Variant</b>	2022-12-08
<b>Model Number</b>	KG4100
<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>Access</b>	Wi-Fi Protected Setup™
<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 2018-04 WPA3™-Personal 2019-08



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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux, version:4.4.198

### Wi-Fi Component Firmware

7.1.0.2

### 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

### Protected Management Frames

### WMM®

### WPA2™-Personal 2018-04

### WPA3™-Personal 2019-08

### Wi-Fi Agile Multiband™

### Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU

Basic Trigger frame in HE MU PPDU

### Wi-Fi CERTIFIED 6® (continued)

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 CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac



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## Wi-Fi CERTIFIED™ ac (continued)

Extended 5 GHz Channel Support  
A-MPDU with A-MSDU  
DL MU-MIMO  
LDPC Rx  
LDPC Tx  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
SU beamformer

## Wi-Fi EasyMesh™ (continued)

Backhaul onboarding with Wi-Fi Protected Setup pushbutton

## Wi-Fi Protected Setup™

PIN  
Pushbutton

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

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

## 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  
Unassociated STA Link Metrics Reporting



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**Role: Controller**

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux, version:4.4.198

## Certifications

**Wi-Fi EasyMesh™**