



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

# **Certification ID: WFA133526**

### **Product Info**

**Date of Certification** January 2, 2025

**Company** Kaonbroadband CO., LTD.

Product Name WiFi7 AP Router

Product Model Variant 2024-11-14

Model Number GAPK-8100

**Category** Routers

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

## **Summary of Certifications**

CLASSIFICATION CERTIFICATION

**Connectivity** 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities6 GHz Spectrum Capabilities

Wi-Fi CERTIFIED 6®
Wi-Fi CERTIFIED 7™
Wi-Fi CERTIFIED™ a
Wi-Fi CERTIFIED™ b
Wi-Fi CERTIFIED™ g
Wi-Fi CERTIFIED™ n

Wi-Fi Enhanced Open™ 2023-12

**Optimization** WMM®

Wi-Fi Agile Multiband™ Wi-Fi QoS Management™

**Security** Protected Management Frames

WPA2<sup>™</sup>-Enterprise 2018-04 WPA2<sup>™</sup>-Personal 2021-01 WPA3<sup>™</sup>-Enterprise 2022-12 WPA3<sup>™</sup>-Personal 2024-10





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Summary	of Cert	ifications	(cont	inued)
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CLASSIFICATION

**CERTIFICATION** 

Spectrum & Regulatory

Spectrum & Regulatory

**Features** 



**Protected Management Frames** 

Spectrum & Regulatory

# **Wi-Fi CERTIFIED™ Certificate**



**Certification ID: WFA133526** 

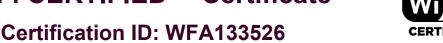
Role: Access Point	Page 3 of 5			
Wi-Fi Components Wi-Fi Component Operating System	RF Architecture			
Linux 5.4.213  Wi-Fi Component Firmware ipq5322-ilq-12-4_qca_oem.r00274.1	Bands Supported  2.4 GHz  5 GHz  6 GHz	Transmit (Tx) 2 2 2	Receive (Rx) 2 2 2	
Certifications				
2.4 GHz Spectrum Capabilities	Spectrum & Regulatory (continued)			
20 MHz Channel Width in 2.4 GHz	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			
6 GHz Spectrum Capabilities	WPA2™-Enterprise 2018-04  EAP methods			
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	WPA2™-Personal 2021-01  WPA3™-Enterprise 2022-12			
320 MHz channel width in 6 GHz	EAP methods			

## This certificate was downloaded on 2025-01-05 at 06:30:53 UTC

WPA3™-Personal 2024-10

AKM 24







Role: Access Point Page 4 of 5

#### WPA3™-Personal 2024-10 (continued)

**Beacon Protection** 

#### Wi-Fi Agile Multiband™

#### Wi-Fi CERTIFIED 6®

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 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

Multiple M-BSSID

### Wi-Fi CERTIFIED 7™ (continued)

**BSRP** Trigger frame

BSS critical update

Compressed Block Ack Rx (buffer size 256)

Compressed Block Ack Tx (buffer size 256)

Compressed Block Ack Rx (buffer size 512)

Compressed Block Ack Tx (buffer size 512)

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

Multi-link reconfiguration – AP removal

 $\hbox{Multi-link reconfiguration}-\hbox{AP restart}$ 

Multi-RU

MU-RTS Trigger frame

Operating mode indication

Operating mode indication for 320 MHz

Static puncturing

STR (Simultaneous Transmit and Receive)

SU-MIMO

Triggered uplink access optimization

UL OFDMA

#### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED 7™

Advertised TID-to-link mapping

A-MPDU with A-MSDU

#### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU





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## Wi-Fi CERTIFIED™ ac (continued)

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 Enhanced Open™ 2023-12

### Wi-Fi QoS Management™

Default DSCP to UP mapping

DSCP QoS Map

Mirrored Stream Classification Service