



# Wi-Fi CERTIFIED® Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org](http://www.wi-fi.org)

**Certification ID: WFA136927**

## Product Info

<b>Date of Certification</b>	September 17, 2025
<b>Company</b>	Gemteks
<b>Product Name</b>	Wi-Fi 7 Router
<b>Product Model Variant</b>	Version 2
<b>Model Number</b>	W1700K
<b>Category</b>	Routers
<b>Sub-category</b>	Access Point for Home or Small Office (Wireless Router)

## Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Network management</b>	WMM® Wi-Fi Agile Multiband™
<b>Security</b>	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2024-10 Wi-Fi Enhanced Open™ 2023-12
<b>Wi-Fi (MAC/PHY)</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities 6 GHz Spectrum Capabilities Spectrum & Regulatory 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

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux

### Wi-Fi Component Firmware

8.0

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	4	4
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®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2024-10

AKM 24  
Beacon Protection

### 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

### 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)

### Protected Management Frames

### Spectrum & Regulatory

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## Wi-Fi CERTIFIED 6® (continued)

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  
 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

## Wi-Fi CERTIFIED 7™ (continued)

LDPC Tx  
 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-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™ ac

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

## Wi-Fi CERTIFIED 7™

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)  
 Compressed Block Ack Rx (buffer size 512)  
 Compressed Block Ack Tx (buffer size 512)  
 DL MU-MIMO  
 DL OFDMA  
 Dynamic MU SMPS  
 EMLSR (Enhanced Multilink Single-Radio)  
 LDPC Rx

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

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## Wi-Fi CERTIFIED™ n

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

## Wi-Fi Enhanced Open™ 2023-12

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