



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

Certification ID: WFA130867

Product Info

Date of Certification	July 4, 2024
Company	Calix Inc.
Product Name	GS5229E
Product Model Variant	GS5229E
Model Number	GS5229E
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 Capabilities Wi-Fi CERTIFIED 6® Release 2 Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
Optimization	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2023-12
Spectrum & Regulatory Features	Spectrum & Regulatory



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux router 5.4.213

Wi-Fi Component Firmware

24.3

RF Architecture

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

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

Spectrum & Regulatory

802.11d
802.11h

WMM®

WPA2™-Enterprise 2018-04

EAP methods

WPA2™-Personal 2021-01

WPA3™-Enterprise 2022-12

EAP methods

WPA3™-Personal 2023-12

Wi-Fi Agile Multiband™

Wi-Fi CERTIFIED 6® Release 2

4 antenna support
A-MPDU with A-MSDU
Basic Trigger frame in HE MU PPDU
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



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Wi-Fi CERTIFIED 6® Release 2 (continued)

- MU EDCA Parameter Set element
- MU-BAR Trigger frame
- MU-RTS Trigger frame
- Operating mode indication
- SU beamformer
- SU-MIMO
- TXOP RTS Threshold
- UL OFDMA
- Wi-Fi 6 Release 2 features
 - UL MU-MIMO
 - UL MU Control
 - UL Extended Range
 - Target Wake Time information frames
 - Extended sleep
 - Dynamic MU SMPS

Wi-Fi CERTIFIED™ n (continued)

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

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

- A-MPDU with A-MSDU
- DL MU-MIMO
- LDPC Rx
- LDPC Tx
- MCS 8-9 Rx
- RTS with BW Signaling
- Short Guard Interval
- STBC
- SU beamformer

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n