



# 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: WFA134343**

## Product Info

<b>Date of Certification</b>	February 3, 2025
<b>Company</b>	AzureWave Technologies, Inc.
<b>Product Name</b>	AW-CU639-ZC1 Wireless MCU with Integrated Wi-Fi 6 Microcontroller Module
<b>Product Model Variant</b>	AW-CU639-ZC1
<b>Model Number</b>	2639-ZC1
<b>Category</b>	Other
<b>Sub-category</b>	Embedded Module

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<b>Network management</b>	WMM® Wi-Fi Agile Multiband™
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2024-10
<b>Wi-Fi (MAC/PHY)</b>	2.4 GHz Spectrum Capabilities Spectrum & Regulatory Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n

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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

Zephyr

### Wi-Fi Component Firmware

6.p24

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

### Protected Management Frames

### Spectrum & Regulatory

802.11d

### WMM®

### WPA2™-Enterprise 2018-04

EAP methods

EAP TLS

EAP TTLS

PEAPv0

PEAPv1

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2022-12

EAP methods

EAP TLS

### WPA3™-Enterprise 2022-12 (continued)

EAP TTLS

PEAPv0

PEAPv1

192-bit security

192-bit security RSA 3K with the TLS\_DHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 cipher suite

192-bit security RSA 3K with the TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384 cipher suite

Server Certificate Validation

### WPA3™-Personal 2024-10

### Wi-Fi Agile Multiband™

### Wi-Fi CERTIFIED 6®

BSRP Trigger frame

DL MU-MIMO

MCS 8-9 Rx

MCS 8-9 Tx

MU EDCA Parameter Set element

MU-BAR Trigger frame

MU-RTS Trigger frame

M-BSSID

SU beamformee

SU-MIMO

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## Wi-Fi CERTIFIED 6® (continued)

UL OFDMA

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

A-MPDU Tx

Short Guard Interval

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