



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: WFA94184

Product Info

Date of Certification	March 28, 2024
Company	Beijing Winner Microelectronics Co., Ltd.
Product Name	New Generation Embedded Wi-Fi SoC Chip
Product Model Variant	Update 11n Version
Model Number	W800
Category	Other
Sub-category	Reference Design

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Connectivity	2.4 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
Optimization	WMM®
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2023-12 WPA™-Personal



Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA94184



Role: Station

Page 2 of 2

Wi-Fi Components

Wi-Fi Component Operating System

FreeRTOS, version:V8.2.3

Wi-Fi Component Firmware

1.0.4

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

40 MHz Channel Width in 2.4 GHz

Protected Management Frames

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2023-12

WPA™-Personal

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

HT Duplicate Mode

Power Management

Short Guard Interval

STBC