



# 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](http://www.wi-fi.org/certification/programs)

**Certification ID: WFA113497**

## Product Info

<b>Date of Certification</b>	September 29, 2021
<b>Company</b>	HMD Global Oy
<b>Product Name</b>	GSM/WCDMA/LTE phone
<b>Product Model Variant</b>	N139DL
<b>Model Number</b>	N139DL
<b>Category</b>	Phones
<b>Sub-category</b>	Phone, multi-mode (Wi-Fi and other)

## Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Access</b>	Wi-Fi Protected Setup™
<b>Connectivity</b>	2.4 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
<b>Optimization</b>	WMM®
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2020-02 WPA3™-Personal 2020-02

This certificate was downloaded on **2025-04-03** at **21:36:06** UTC

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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

KaiOS 3.0

### Wi-Fi Component Firmware

CNSS.PR.4.0.3-00314

### 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

### WMM®

### WPA2™-Enterprise 2018-04

EAP methods

- EAP AKA
- EAP AKA Prime
- EAP SIM
- EAP TLS
- EAP TTLS
- PEAPv0
- PEAPv1

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2020-02

EAP methods

- EAP AKA
- EAP AKA Prime
- EAP SIM

### WPA3™-Enterprise 2020-02 (continued)

EAP TLS  
 EAP TTLS  
 PEAPv0  
 PEAPv1  
 Server Certificate Validation

### WPA3™-Personal 2020-02

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

STBC  
 A-MPDU Tx  
 Short Guard Interval

### Wi-Fi Protected Setup™

PIN  
 Pushbutton

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