



# 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: WFA133512

### Product Info

<b>Date of Certification</b>	November 13, 2024
<b>Company</b>	Samsung Electronics
<b>Product Name</b>	Galaxy F16 5G
<b>Product Model Variant</b>	SM-E166P/DS
<b>Model Number</b>	SM-E166P/DS
<b>Category</b>	Phones
<b>Sub-category</b>	Smartphone

### Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Applications &amp; Services</b>	Voice-Enterprise
<b>Connectivity</b>	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Direct®
<b>Optimization</b>	WMM® WMM®-Admission Control WMM®-Power Save
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2023-12



# Wi-Fi CERTIFIED™ Certificate

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Android14

### Wi-Fi Component Firmware

20240425140901

### RF Architecture

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

## Certifications

### 2.4 GHz Spectrum Capabilities

20 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

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2023-12

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
MCS 8-9 Rx  
Short Guard Interval

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

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



# Wi-Fi CERTIFIED™ Certificate

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Role: Station

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## Wi-Fi Components

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### 2.4 GHz Spectrum Capabilities

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### 5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz  
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80 MHz Channel Width in 5 GHz

### Protected Management Frames

### Voice-Enterprise

### WMM®

### WMM®-Admission Control

### WMM®-Power Save

Legacy Power Save  
Unschedule auto PS

### WPA2™-Enterprise 2018-04

### WPA2™-Enterprise 2018-04 (continued)

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

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2022-12

EAP methods  
EAP AKA  
EAP AKA Prime  
EAP SIM  
EAP TLS  
EAP TTLS  
PEAPv0  
PEAPv1  
Server Certificate Validation

### WPA3™-Personal 2023-12



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Role: Station

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## Wi-Fi CERTIFIED™ a

## Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU  
MCS 8-9 Rx  
Short Guard Interval  
STBC  
SU beamformee

## Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

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

## Wi-Fi Direct®

Wi-Fi Direct with WPA2