



# 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: WFA128211**

## Product Info

<b>Date of Certification</b>	September 16, 2024
<b>Company</b>	Samsung Electronics
<b>Product Name</b>	SM-A156U
<b>Product Model Variant</b>	2024-08-16
<b>Model Number</b>	SM-A156U
<b>Category</b>	Phones
<b>Sub-category</b>	Smartphone

## Summary of Certifications

<b>CLASSIFICATION</b>	<b>CERTIFICATION</b>
<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® Wi-Fi Enhanced Open™ 2021-01
<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 2022-06



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA128211



## Summary of Certifications (continued)

Page 2 of 5

### CLASSIFICATION

### CERTIFICATION

Spectrum & Regulatory  
Features

Spectrum & Regulatory



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA128211



Role: Access Point

Page 3 of 5

## Wi-Fi Components

### Wi-Fi Component Operating System

Android v15.0

### Wi-Fi Component Firmware

t-neptune-sp-soc2\_2-2318-tc10sp2-

CHANDON\_SOC2\_2\_E1\_MT6631\_ASIC\_MINIROM5-20230704200809

### 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®

Max Throughput

### WPA2™-Personal 2021-01

### WPA3™-Personal 2022-06

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

### Wi-Fi CERTIFIED™ ac (continued)

A-MPDU with A-MSDU

MCS 8-9 Rx

Short Guard Interval

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

HT Duplicate Mode

OBSS on Extension Channel

Short Guard Interval

A-MPDU Tx



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA128211



Role: Station

Page 4 of 5

## Wi-Fi Components

### Wi-Fi Component Operating System

Android v15.0

### Wi-Fi Component Firmware

t-neptune-sp-soc2\_2-2318-tc10sp2-

CHANDON\_SOC2\_2\_E1\_MT6631\_ASIC\_MINIROM5 GHz-20230704200809

### 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

### Spectrum & Regulatory

802.11h

### Voice-Enterprise

### WMM®

Max Throughput

### WMM®-Admission Control

### WMM®-Power Save

Legacy Power Save

Unschedule auto PS

### 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 2022-12

EAP methods

EAP AKA

EAP AKA Prime

EAP SIM

EAP TLS



# Wi-Fi CERTIFIED™ Certificate

Certification ID: WFA128211



Role: Station

Page 5 of 5

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

EAP TTLS  
PEAPv0  
PEAPv1  
Server Certificate Validation

## WPA3™-Personal 2022-06

## 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

## Wi-Fi Enhanced Open™ 2021-01