



# 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: WFA75077

### Product Info

<b>Date of Certification</b>	April 27, 2018
<b>Company</b>	Renesas Design Korea Inc.
<b>Product Name</b>	Wi-Fi IoT SoC Module
<b>Product Model Variant</b>	2018-04-27 (WFA75077 - 7176177)
<b>Model Number</b>	FCM9000S(C/E)-100
<b>Category</b>	Other
<b>Sub-category</b>	Reference Design

### 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 Wi-Fi Direct®
<b>Optimization</b>	WMM® WMM®-Power Save
<b>Security</b>	Protected Management Frames WPA2™-Enterprise WPA2™-Personal 2017-10

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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

ThreadX

### Wi-Fi Component Firmware

v1.0.0

### 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®

### WMM®-Power Save

Legacy Power Save  
Unschedule auto PS

### WPA2™-Enterprise

EAP methods  
EAP FAST-MSCHAPv2  
EAP TLS  
EAP TTLS  
PEAPv0  
PEAPv1

### WPA2™-Personal 2017-10

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

STBC  
A-MPDU Tx  
RIFS  
Short Guard Interval

### Wi-Fi Direct®

### Wi-Fi Protected Setup™

PIN  
Pushbutton

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