



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org/certification/programs

Certification ID: WFA16990

Product Info

Date of Certification May 27, 2014

Company Realtek Semiconductor Corporation

Product Name Realtek RTL8812AE 2T2R 802.11ac/a/b/g/n miniCard

Product Model Variant 2014-05-27 (WFA16990 - 1922814)

Model Number RTL8812AE

Category Other

Sub-category Embedded Module

Summary of Certifications

CLASSIFICATION CERTIFICATION

Access Wi-Fi Protected Setup™

Applications & Services Miracast®

Connectivity 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®

Optimization WMM®

Security WPA2[™]-Enterprise

WPA2[™]-Personal WPA[™]-Enterprise WPA[™]-Personal

Spectrum & Regulatory

Features

Spectrum & Regulatory







Role: Station Page 2 of 5
Wi-Fi Components

Wi-Fi Component Operating System

Windows 7, version:Win7 x86

Wi-Fi Component Firmware

7010.8.321.2014

RF Architecture

Bands Supported Transmit (Tx) Receive (Rx)

2.4 GHz 2 2

5 GHz 2 2

Certifications

2.4 GHz Spectrum Capabilities WPA™-Enterprise

20 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 2.4 GHz

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

WPA™-Personal

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

A-MPDU with A-MSDU

LDPC Rx MCS 8-9 Rx

Short Guard Interval

STBC

LDPC Tx

SU beamformee

Spectrum & Regulatory

802.11h

WMM® Wi-Fi CERTIFIED™ b

WPA2™-Enterprise Wi-Fi CERTIFIED™ g

EAP methods
EAP TLS

PEAPv0

A-MPDU Tx

RIFS

Short Guard Interval

Wi-Fi CERTIFIED™ n

WPA2™-Personal





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|------------------------|-------------|--|
| Wi-Fi Direct® | | |
| Wi-Fi Protected Setup™ | | |
| PIN Pushbutton | | |





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| Role: Source | Page 4 of 5 | | |
|--|-----------------|---------------|--------------|
| Wi-Fi Components | | | |
| Wi-Fi Component Operating System | RF Architecture | | |
| Windows 7, version:Win7 x86 | Bands Supported | Transmit (Tx) | Receive (Rx) |
| Wi-Fi Component Firmware 7010.8.321.2014 | 2.4 GHz | 2 | 2 |
| | 5 GHz | 2 | 2 |
| | | | |
| Certifications | | | |
| Miracast® | l | | |





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|--|----------------------------------|---------------|--------------|--|
| Wi-Fi Components | | | | |
| Wi-Fi Component Operating System | Operating System RF Architecture | | | |
| Windows 7, version:Win7 x86 | Bands Supported | Transmit (Tx) | Receive (Rx) | |
| Wi-Fi Component Firmware 7010.8.321.2014 | 2.4 GHz | 2 | 2 | |
| | 5 GHz | 2 | 2 | |
| Contifications | | | | |
| Certifications | _ | | | |
| Miracast® | | | | |