



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

Spectrum & Regulatory

Features

Spectrum & Regulatory



Wi-Fi CERTIFIED™ Certificate

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Role: Station		Page 2 of 5		
Wi-Fi Components				
Wi-Fi Component Operating System	RF Architecture			
Windows 7, version:Win7 x86	Bands Supported Tra	nsmit (Tx) Receive (Rx)		
Wi-Fi Component Firmware	2.4 GHz 2	2		
7010.8.321.2014	5 GHz 2	2		
Certifications				
2.4 GHz Spectrum Capabilities	Wi-Fi CERTIFIED™ a			
20 MHz Channel Width in 2.4 GHz	Wi-Fi CERTIFIED™ ac	Wi-Fi CERTIFIED™ ac		
40 MHz Channel Width in 2.4 GHz	A-MPDU with A-MSDU			
5 GHz Spectrum Capabilities	LDPC Rx MCS 8-9 Rx Short Guard Interval			
20 MHz Channel Width in 5 GHz 40 MHz Channel Width in 5 GHz	STBC			
80 MHz Channel Width in 5 GHz	LDPC Tx SU beamformee			
Spectrum & Regulatory	Wi-Fi CERTIFIED™ b			
802.11h	Wi-Fi CERTIFIED™ g			
WMM®	Wi-Fi CERTIFIED™ n			
WPA2™-Enterprise	A-MPDU Tx RIFS			
EAP methods	Short Guard Interval			
EAP TLS				
PEAPv0	Wi-Fi Direct®			
WPA2™-Personal	Wi-Fi Protected Setup [⊤]	тм		



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Role: Station	Page 3 of 5
Wi-Fi Protected Setup™ (continued)	
PIN Pushbutton	







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
7010.6.321.2014	5 GHz	2	2
Certifications	_		
Miracast®			







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