



Wi-Fi CERTIFIED™ Interoperability Certificate

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



Certification ID: WFA55194

Page 1 of 2

| | |
|-----------------------------------|--|
| Date of Last Certification | October 24, 2014 |
| Company | Qualcomm |
| Product | Qualcomm Atheros QCA61x4 Wireless Network Adapter |
| Model Number | NFA344 |
| Product Identifier(s) | |
| Category | Other |
| Subcategory | Reference Design |
| Hardware Version | Product: QCA6174-5, Wi-Fi Component: NFA344 |
| Firmware Version | Product: X86_Host_100258_FW_1.1-00088, Wi-Fi Component: X86_Host_100258_FW_1.1-00088 |
| Operating System | Proprietary / Other: Win8.1 |
| Frequency Band(s) | 2.4 GHz, 5 GHz |

Summary of Certifications

| CLASSIFICATION | PROGRAM |
|-------------------------|---------------------------------|
| Connectivity | Wi-Fi CERTIFIED™ a, b, g, n, ac |
| | WPA™ - Personal |
| | WPA2™ - Enterprise, Personal |
| | Wi-Fi Direct® |
| Optimization | WMM® |
| | WMM®-Admission Control |
| | WMM®-Power Save |
| Access | Passpoint® |
| | Wi-Fi Protected Setup™ |
| Applications & Services | Voice-Enterprise |
| | Voice-Personal |



Security

WPA™ - Personal
WPA2™ - Enterprise, Personal
EAP Type(s)
EAP-TLS
EAP-TTLS/MSCHAPv2
PEAPv0/EAP-MSCHAPv2
Protected Management Frames

Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

2.4 GHz, 5 GHz
2 Spatial Streams 2.4 GHz
2 Spatial Streams 5 GHz
Short Guard Interval
TX A-MPDU
STBC Receive
40 MHz operation in 2.4 GHz, with coexistence mechanisms
40 MHz operation in 5 GHz
Reduced Interframe Space (RIFS)

Wi-Fi CERTIFIED™ ac

2 Spatial Streams 5 GHz
Rx MCS 8-9 (256-QAM)
Rx STBC 2x1
Rx A-MPDU of A-MSDU
Low Density Parity Check coding
Tx SU beamformee

Wi-Fi Direct®

2.4 GHz, 5 GHz

WMM®

WMM®-Admission Control

WMM®-Power Save

Passpoint®

Wi-Fi Protected Setup™

2.4 GHz, 5 GHz
PIN

Wi-Fi Protected Setup™ (continued)

Push-Button (PBC)

Voice-Enterprise

Voice-Personal

Spectrum and Regulatory Features

802.11h