

Datasheet: AirMagnet 802.11 a/b/g/n Wireless PCI Express Card

Overview

The AirMagnet 802.11a/b/g/n Wireless PCI Express Card (C1096) is an 802.11n compliant wireless client (based on the Atheros AR9380-AL1A using 3Tx/3Rx architecture) for your notebook PC with an available Mini PCI Express slot (34mm).

Whether deploying a new 802.11n network, or integrating 802.11n technology into an existing infrastructure, AirMagnet solutions (AirMagnet WiFi Analyzer and AirMagnet Survey) are critical for measuring the impact of 802.11n, modeling deployment scenarios, and optimizing ongoing security and performance management. These products help organizations effectively deploy the latest 3 x 3 802.11n networks by offering the only independent view of the access points, client and surrounding environment.

The AirMagnet 802.11a/b/g/n Wireless PCI Express Card has been optimized for use with the AirMagnet Mobile products for efficient and accurate 802.11n deployment, monitoring and troubleshooting.

This card supports 3 x 3 configuration allowing users to design, deploy and troubleshoot Wi-Fi networks that employ APs with three spatial streams and deliver performance at data rates up to 450 Mbps.



Supported Operating Systems

Microsoft® Windows Vista™ Business/Ultimate (SP1)
Microsoft® Windows XP™ Professional (SP3)
Microsoft® Windows 7™ Professional/Ultimate/Enterprise (32-bit and 64-bit)
Windows 8 Pro/Enterprise (32-bit and 64-bit)

Supported Standards

802.11a – Max 54 Mbps (5GHz)
802.11b – Max 11 Mbps (2.4GHz)
802.11g – Max 54 Mbps (2.4GHz)
802.11n – Max 450 Mbps (2.4GHz and 5GHz, 20MHz and 40MHz bandwidth)

Frequency Range

USA: 2.400 ~ 2.483GHz, 5.15 ~ 5.35GHz, 5.725 ~ 5.825GHz
Europe: 2.400 ~ 2.483GHz, 5.15 ~ 5.35GHz, 5.47 ~ 5.725GHz

Ordering Information

Model	Description
AM/C1096	AirMagnet 802.11 a/b/g/n PCI Express Card and 3X3 Antenna

Host Interface

PCI Express interface in 3Tx/3Rx design

Temperature

Operation temperature: 0 to 60° C
Storage temperature: -20 to 80° C

Operation Voltage

3.3V +/- 5%