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Fluke Networks AirMagnet 802.11 a/b/g/n Wireless PCI Express Card

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 ExpressCard/34 (34 mm wide) slot .

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. The products let 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 7™ Professional/Ultimate/Enterprise (64-bit).

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

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Host Interface

PCI Express interface in 3Tx/3Rx design

Temperature

- Operation temperature: 0 to 60 degrees Celsius
- Storage temperature: -20 to 80 degrees Celsius

Operation Voltage

3.3V +/- 5%

Installation

1. Attach the included antennas and cable to the 3x3 card.
2. Use the included velcro strip to adhere the 3x3 card to the laptop .
3. Plug the cable into the PCI adapter.
4. Insert the PCI adapter into the PCI slot on the laptop.
5. Download and run the AirMagnet driver installation package. The AirMagnet driver installation package is located at the Fluke Networks web site after signing-in to your My AirMagnet account. https://airmagnet.flukenetworks.com/my_airmagnet/public/documents/.

Technical Support

Fluke Networks' Gold Support is our comprehensive support and maintenance program that offers expanded coverage for all AirMagnet products.

Benefits of the Gold Support program include:

- Access to live 24 X 7 technical support.
- Highly trained technical experts to help with product installation, configuration, best practices & troubleshooting on call 24 hrs a day including weekends and through the night.
- Multilingual technical support team.
- Free software updates/upgrades (new features and product enhancements) when available
- Hardware support, repair and replacement for AirMagnet products*
  * Must meet terms and conditions as defined in the hardware warranty

- Free access to "AirMagnet Certified Professional" web-based training for certain AirMagnet products.
- MAC Address Reset assistance.

Contact Customer Support

- Sign-in to MyAirMagnet to access the "Exclusive" Gold-member only phone numbers for your region.

- Submit a support request.
- Send email to support@AirMagnet.com.

AirWISE Community

From the help menu, users can directly link to the AirWISE Community http://www.airwisecommunity.com created by AirMagnet for wireless experts. The AirWISE Community includes discussion forums, blogs and additional resources for the security, performance and compliance of wireless networks.

FCC Compliance Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interferences that may cause undesired operation.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interferences in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

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Industry Canada Regulatory Statement:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interferences, and (2) this device must accept any interferences, including interferences that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes : (1) il ne doit pas produire de brouillage et (2) l' utilisateur du dispositif doit étre prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

Complies with the Canadian ICES-003 Class B specifications.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the EIRP is not more than required for successful communication.

The transmitter module may not be co-located with any other transmitter or antenna.

Cet équipement est conforme aux limites d'exposition aux rayonnements d'Industrie Canada établies pour un environnement non contrôlé.

Cet équipement a été approuvé à des fins d'opération mobile et, sauf indication contraire, dans une notice supplémentaire concernant les émetteurs sans fil individuels, doit être utilisé en veillant qu'il y ait une distance d'au moins 20 cm entre son(ses) antenne(s) et le corps de l'utilisateur (sauf les extrémités : mains, poignets et pieds) dans les modes d'opération sans fil.

Caution:

This device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

Because high power radars are allocated as primary users (meaning they have priority) in 5250-5350 MHz and 5650-5850 MHz, these radars could cause interference and / or damage to license exempt LAN devices.

Cet appareil (pour réseaux locaux radioélectriques) dans les bandes de fréquences 5150-5250 MHz est réservé à une utilization à l'intérieur afin de réduire le risque d'interférence avec les systèmes satellites mobiles bicanaux.

Les radars forte puissance sont désignés comme étant les premiers utilisateurs (c'est-à-dire qu'ils ont la priorité) des bandes de fréquences 5250-5350 MHz et 5650-5850 MHz. Ces stations radarspeuvent provoquer des interférences et/ou des dommages à ce périphérique.