

IEEE 802.11 n/g/b Wireless Notebook Adapter AW-NC100

Your best 11 n wireless network solution for Notebook

Plug in to the Notebook and upgrade your wireless communication
in a simple way



A simple way to upgrade your wireless communication

- Upgrade your wireless communication to 11n
- Supports CardBus interface

11n draft 2.0 enables the high performance

- Supports 802.11n draft 2.0 and compatible with 802.11b/g
- Up to 5 times faster wireless connection speed than 802.11g
- Supports MIMO technologies for excellent performance and less dead spots

Enhanced Wi-Fi security

- Advanced security with WPA/WPA2

The 11n wireless streaming performs best with 802.11n compatible Router or AP



AW-NC100 Technical Specification

WLAN Standard

- IEEE 802.11n/g/b, Wi-Fi compliant

Interface

- 32bit CarBus

Frequency Range

- 2.4 GHz ISM radio band

Number of Channels

- 802.11b
FCC : USA, Canada and Taiwan ch1 ~11 (2412~2462MHz)
ETSI : Most European Countries ch1~13 (2412~2472MHz),
France ch10~13 (2457~2472MHz)
Spain ch10~11 (2457~2462MHz)
Japan ch1~14 (2412~2484MHz)
- 802.11g
FCC : USA, Canada and Taiwan ch1 ~ 11 (2412~2462MHz)
ETSI : Most European Countries ch1~13 (2412~2472MHz),
France ch10~13 (2457~2472MHz)
Spain ch10~11 (2457~2462MHz)
Japan ch1~13 (2412~2472MHz)
- 802.11n HT20(20MHz)
FCC : USA, Canada and Taiwan ch1 ~ 11 (2412~2462MHz)
ETSI : Most European Countries ch1~13 (2412~2472MHz),
France ch10~13 (2457~2472MHz)
Spain ch10~11 (2457~2462MHz)
Japan ch1~13 (2412~2472MHz)
- 802.11n HT40(40MHz)
FCC : USA, Canada and Taiwan ch3 ~ 9 (2412~2462MHz)
ETSI : Most European Countries ch1~13 (2412~2472MHz),
Japan : ch1~13 (2412~2472MHz)

Output Power

- 802.11b: typical 17dBm (11Mbps)
- 802.11g: typical 14dBm (54Mbps)
- 802.11n: typical 9dBm (MCS 15)



Antenna

- Build in antenna

Receive Sensitivity

- 802.11b: typical -80dBm at 11Mbps
- 802.11g: typical -70dBm at 54Mbps
- 802.11n: typical -59dBm at HT40 MCS15
- typical -65dBm at HT20 MCS15

Data Rates

- 802.11b: 1, 2, 5.5, 11Mbps
- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
- 802.11n: Up to 300Mbps

Security

- Wired Equivalent Privacy(WEP)
- Wi-Fi Protected Access(WPA/WPA2)

About Azurewave Technologies, Inc.

Established in April 2005, AzureWave Technologies Inc. is specialized in wireless communication, digital broadcasting and image processing related products.

For further information about AzureWave, please visit: www.azurewave.com

Specifications are subject to change without notice.

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