

AWUS051NH

802.11n/a/b/g Long-Rang USB Adapter

AWUS051NH IEEE 802.11a/b/g/n Wireless USB adapter provides users to launch IEEE 802.11a/b/g/n wireless network at 150/300 Mbps in the 2.4GHz/5.8GHz band, which is also compatible with IEEE 802.11a/b/g wireless devices at 11/54 Mbps. You can configure AWUS051NH with ad-hoc mode to connect to other 2.4GHz/5.8GHz wireless computers, or with Infrastructure mode to connect to a wireless AP or router for accessing to Internet.

AWUS051NH includes a convenient Utility for scanning available networks and saving preferred networks that users usually connected with. Security encryption can also be configured by this utility.



Features

- Compatible with IEEE 802.11n draft 3.0, 802.11a/b/g wireless standards
- 2.4GHz and 5.8GHz frequency band, MIMO (Multiple Input Multiple Output)
- Complies with Universal Serial Bus Rev. 2.0 specifications
- High speed transfer TX data rate up to 150 Mbps
- High speed transfer RX data rate up to 300 Mbps
- Supports WPS by S/W
- Supports wireless data encryption with 64/128-bit WEP, WPA, WPA2, TKIP, AES
- Wide Range coverage
- Compliant with FCC Part 15.247 for US, ETS 300 328 for Europe
- Supports driver for Windows 2000, XP 32/64, Vista 32/64, Linux (2.4.x/2.6.x), Mac (10.4.x/10.5.x) Power PC& PC.

Product General

- Standards
 - Wireless: IEEE 802.11a/b/g/n
 - USB 2.0 standard
- Data Rate
 - 802.11b: Up to 11 Mbps
 - 802.11g: 54Mbps
 - 802.11n: 108Mbps
- OS Supported
 - Windows vista
 - Windows XP
 - Linux
 - Mac OS

Physical Specification

- Interface
 - Mini USB connector
- Antenna Type
 - 1 x 2.4/5GHz RP-SMA connector with Antenna
 - 1 x Dual band print antenna

Environment Specification

- Operating Temp
 - 0°C ~ +50°C
- Storage
 - -10°C ~ +65°C
- Humidity
 - 5%~98% non-condensing

For further details:

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NETWORK
Your Source of Hardware

AWUS051NH

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Hardware

- One LED :
 - Power / Status: steady green
 - Wireless Act: flash
- Frequency Range
 - IEEE 802.11b/g
 - 2412 ~ 2462 MHz (N.A)
 - 2412 ~ 2472 MHz (EU)
 - 2412 ~ 2482 MHz (Japan)
 - IEEE 802.11a
 - 5150 MHz – 5250 MHz (Japan)
 - 5150 MHz – 5350 MHz
 - 5470 MHz – 5725 MHz (Europe)
 - 5150 MHz – 5350 MHz
 - 5725 MHz – 5850 MHz (USA)
- Opt. Channel
 - IEEE 802.11b/g
 - 1 ~ 11 channels (North America)
 - 1 ~ 13 channels (General Europe)
 - 1 ~ 14 channels (Japan)
 - IEEE 802.11a
 - 4 Channels (Japan)
 - 19 Channels (Europe)
 - 13 Channels (USA)
- Emission Type
 - DSSS / OFDM
- Output Power @6Mbps/1mbps
 - 27dBm@ 11b/g
 - 21dbm@11bgn HT20
 - 20dbm@11bgn HT40
 - 18dbm@ 11a -
 - 13dbm@11a HT20-(14dbm)
 - 14dbm@11a HT40-(13dbm)
- IEEE 802.11b/g Sensitivity
 - Legacy Mode:
 - ◇ 1M -91
 - ◇ 11M -91
 - ◇ 6M -93
 - ◇ 54M -77
 - HT20 Mode
 - ◇ MCS 15 -74
 - ◇ MCS 8 -92
 - ◇ MCS 7 -75
 - ◇ MCS 0 -92
 - HT40 Mode
 - ◇ MCS 15 -70
 - ◇ MCS 8 -89
 - ◇ MCS 7 -73
 - ◇ MCS 0 -88
 - (Typically @PER < 8% packet size 1024 and @25°C ± 5°C)

- 802.11a Sensitivity
 - | | 5180MHz | 5320MHz | 5500MHz | 5825MHz |
|-----|---------|---------|---------|---------|
| 6M | -93 | -92 | -93 | -93 |
| 54M | -78 | -78 | -78 | -78 |
 - HT 20
 - MCS 15 -74 -75 -75 -74
 - MCS 8 -92 -93 -92 -88
 - MCS7 -74 -75 -75 -74
 - MCS0 -92 -93 -92 -88
 - HT 40

	5190MHz	5310MHz	5590MHz	5795MHz
MCS 15	-71	-71	-70	-68
MCS 8	-90	-89	-89	-86
MCS 7	-73	-73	-72	-69
MCS 0	-90	-88	-87	-87
 - (typically @PER < 10% packet size 1024 and @25°C ± 5°C)
- Frequency Stability
 - Within ± 25ppm
- Data Modulation Type
 - BPSK, QPSK, CCK and OFDM
- Power
 - Voltage: 5V+5%
- Security
 - WEP 64/128
 - 802.1X support
 - Wi-Fi Protected Access (WPA)
 - WPA-PSK
 - WPA II

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* Included Free U-Mount
Use for Window, Glass, Notebook



U-Mount Install Instruction