

AIRNET

300 Mbps AIR-USB112NH

802.11b/g/n Indoor High Power
USB adapter with 5dBi detachable



The AIRNET 300Mbps 802.11b/g/n High Power Wireless USB adapter provides users to launch IEEE 802.11b/g/n wireless network at 150/300 Mbps in the 2.4GHz band, which is also compatible with IEEE 802.11b/g wireless devices at 11/54 Mbps. The shrinking dimension, light weight & lower power consumption design can easily integrate into a wide range of OEM/ODM devices. AIR-USB112NH has high power and high sensitivity.

Further, it provides an integrated 5 dBi dipole Antenna which improves its coverage and performance. To protect your wireless connectivity, the high-speed wireless USB adapter can encrypt all wireless transmissions through 64/128/256-bit WEP data encryption and also supports WPA. With the 300Mbps 802.11 b/g/n High Power Wireless USB Adapter, you will experience the best wireless connectivity available.

Software AP Function

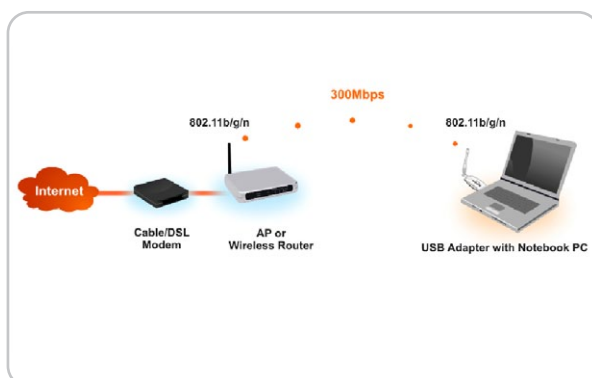
In addition to the WLAN USB adapter function, the AIR-USB112NH can also work as an Access Point. The Software AP function let the device working as an AP when connected to your PC, The drivers for Windows and Linux are included.

Features:

- Compatible with IEEE 802.11n draft 3.0, 802.11b/g wireless standards
- 2.4GHz 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
- Integrated 5 dBi dipole Antenna
- 23dBm output power to extend the coverage range
- Plug-and-Play Compatible with windows 98SE, 2000, Millennium, XP and Linux
- Supports wireless data encryption with 64/128-bit WEP, WPA, WPA2, TKIP, AES

Applications: Indoor Applications

USB Wireless Adapter



High Power Wireless User



Airnet 300 Mbps

AIR-USB112NH



Applications: Outdoor Applications

Mobile Wireless User



Specifications:

Standard	Wireless: 802.11b/g/n USB 2.0 standard
Data Rate	802.11b: Up to 11Mbps 802.11g: 54Mbps 802.11n: Up to 300Mbps
OS Supported	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
Interface	USB 2.0 mini USB
Antenna Type	Internal printed antenna 5dBi RP-SMA dipole antenna
Chipset	Realtek RTL8191SU (Mac/BB Processor) Realtek RTL8191SU (RF Chip)
Frequency Range	IEEE 802.11b/g 2412~2462 MHz (US) 11 channels 2412~2472 MHz (EU) 13 channels 2412~2484 MHz (Japan) 14 channels
Emission Type	DSSS/OFDM
Output Power	802.11b 23 ± 2 dBm 802.11g 21 ± 2 dBm 802.11n 17 ± 2 dBm
Sensitivity	-66dBm @ 802.11n -76dBm @ 54Mbps -91dBm @ 11Mbps -95dBm @ 1Mbps
Power Consumption	Transmit: < 500mA Receive: < 300mA
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, 802.1X
Operating System	Windows XP, Vista 32/64-bit, Linux and Apple Mac
Operating Temp	0°C ~ +55°C
Storage Temperature	-20°C ~ 70°C
Humidity	5%~90% non-condensing
Dimensions	9(L) x 2.9(W) x 1(H) cm
Weight	25g

Ordering Information:

- AIR-USB112NH AIRNET 300Mbps 802.11b/g/n High Power USB Adapter (23dBm/200mW) with 5dBi Detachable Antenna