



54Mb 802.11b/g Ultra High Power USB Adapter

The USB 2.0 wireless card supporting 802.11b/g (2.4GHz) radio operation. It provides high-speed wireless connection with data rate up to 54Mbps. The shirking dimension, light weight & lower power consumption design can easily integrate into a wide range of OEM/ODM device AIR-USB100GUH has high power and high sensitivity. Further, it provides an External Antenna which can easily advance your distance and performance more flexible. 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 High-Speed Wireless USB Adapter, you will experience the best wireless connectivity available.

Software AP Function

In addition to the WLAN USB adapter function, the AIR-USB100GUH can also works as an Access Point. The Software AP function to let the device working as an AP when connected to your PC, The drivers for Windows and Linux are included.

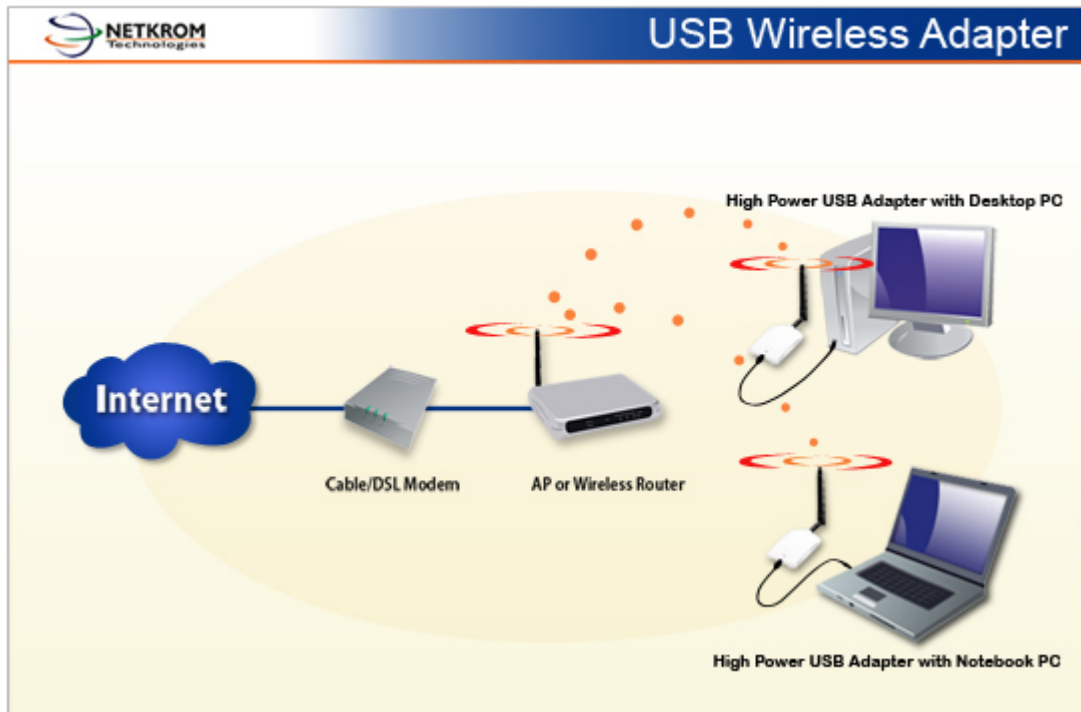


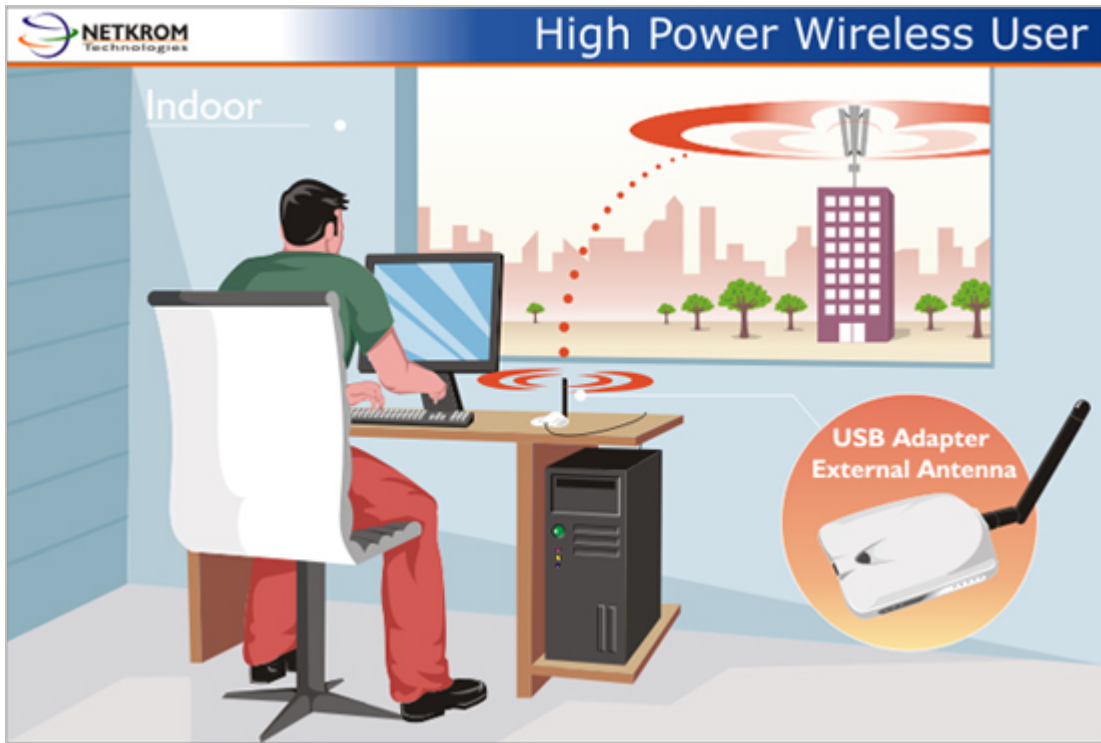
Features:

- ✦ Connects at a full 54Mbps via USB 2.0, up to 8 times faster than a USB 1.1 adapter
- ✦ Removable antenna with RP-SMA connector - upgradeable to a higher power antenna for a wider wireless coverage
- ✦ 27dBm output power for extend the coverage range up to 5x that standard USB adapters
- ✦ Plug-and-Play Compatible with windows 98SE, 2000, Millennium, XP and Linux
- ✦ High security 64/128/256bit WEP Encryption, TKIP, WPA, 802.11

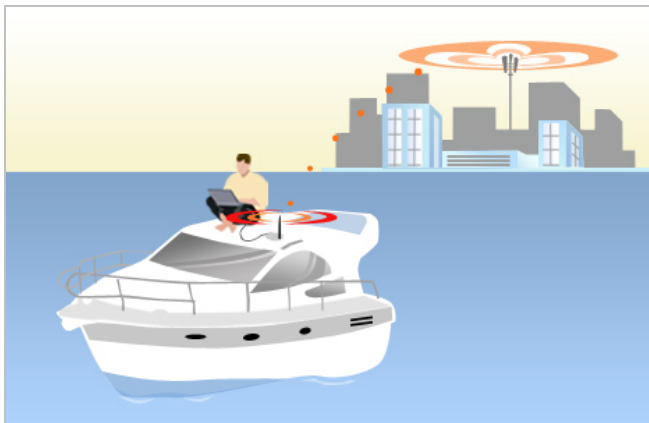
Applications:

INDOOR APPLICATIONS





USB inside home/office with external antenna connected to AP or Base Station



USB with external antenna connected to Internet from Boat to AP or Base Station



USB with external antenna connected to Internet from Car to AP or Base Station



Specifications:

Standards	Wireless: IEEE 802.11b/g USB 2.0 standard
Data Rate	802.11b: Up to 11Mbps 802.11g: 54Mbps
OS Supported	Windows 98SE, ME, 2000, XP Linux 2.6 Mac 10.4 WinCE 5.0
Interface	USB 2.0 mini USB (also compatible with USB 1.1 desktop and notebook computers)
Antenna Type	1 x 2.4Ghz SMA connector 1 x 2.4Ghz Printed antenna
Chipset	Realtek 8187L
Frequency Range	2412~2462 MHz (US) 11 channels 2412~2472 MHz (EU) 13 channels 2412~2484 MHz (Japan) 14 channels
Emission Type	DSSS/OFDM
Output Power	27dBm/500mW
Sensitivity	802.11b: - 96dBm@1/2Mbps -91dBm@11Mbps 802.11g: -76dbm@54Mbps -78dbm@36Mbps -80dbm@24Mbps -91dbm@6Mbps
Data Modulation Type	802.11b: BPSK,QPSK, CCK 802.11g: OFDM
Power	Voltage: 5V+5%
Security	WEP 64/128, 802.1X support, Wi-Fi Protected Access (WPA), WPA-PSK, WPA II
Operating Temp	0°C ~ +50°C
Humidity	5%~98% non-condensing
Dimensions	8.5*2.2*6.3cm
Weight	38.5g

Ordering Information:

✶ **AIR-USB100GUH** AIRNET 54Mb 802.11b/g Ultra High Power USB Adapter (27dBm/500mW) RP-SMA external antenna connector