



# AIRNET

**54 Mbps AIR-USB100GUHP**  
**802.11b/g Ultra High Power**  
**USB Adapter with 5dBi Detachable Antenna**



The AIRNET 54Mbps 802.11b/g Ultra High Power USB Adapter (35dBm / 3000mW EIRP) supports 802.11b/g (2.4GHz) radio operation. It provides high-speed wireless connection with data rates up to 54 Mbps. AIR-USB100GUHP has high power and high sensitivity.

Further, it provides an external detachable 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 High-Speed Wireless USB Adapter, you will experience the best wireless connectivity available.

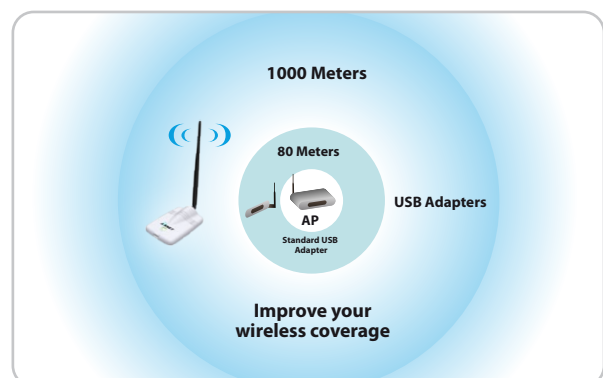
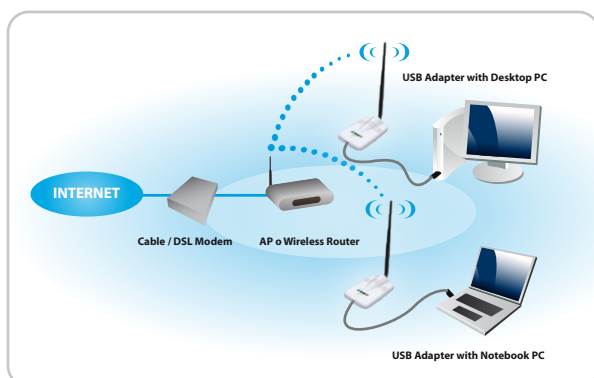
### Software AP Function

In addition to the WLAN USB adapter function, the AIR-USB100GUHP can also work as an Access Point. The Software AP function allows the device to work as an AP when connected to your PC. The drivers for Windows, Linux and Mac are included.

### Features:

- Connects at a full 54 Mbps via USB 2.0, up to 8 times faster than a USB 1.1 adapter
- Complies with IEEE 802.11b/g wireless standard
- Detachable 5 dBi dipole Antenna
- 35dBm output power EIRP to extend the coverage range up to 7x that standard USB adapters
- Plug-and-Play Compatible with Windows 98SE, 2000, Millennium, XP, 7 and Linux
- High security 64/128/256bit WEP Encryption, TKIP, WPA, 802.11
- Supports auto-installation and diagnostic utilities

### Applications: Indoor Applications / Outdoor Applications



54 Mbps

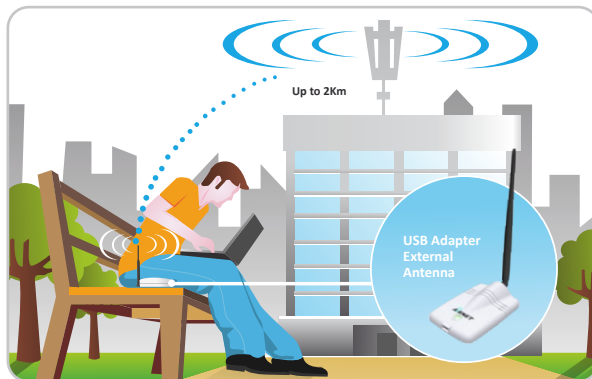
AIR-USB100GUHP



Long Range Wireless User



Long Range Mobile User



Specifications:

AIR-USB100GUHP

Standard	Wireless: IEEE 802.11b/g USB 2.0 standard
Data Rate	802.11b: Up to 11Mbps 802.11g: 54Mbps
OS Supported	Windows 2000, XP, Vista, 7 Linux Mac
Interface	USB 2.0 mini USB
Antenna Type	External 5dBi Antenna
Chipset	Realtek 8187L
Frequency Range	2412~2462 MHz (US) 11 channels 2412~2472 MHz (EU) 13 channels 2412~2484 MHz (Japan) 14 channels
Data Modulation Type	IEEE 802.11b: 5.5/11 Mbps (DQPSK-CCK), 2 Mbps (DQPSK-DSSS), 1 Mbps (DBPSK-DSSS) IEEE 802.11g: (OFDM), 48/54 Mbps(64QAM), 24/36 Mbps (16QAM), 12/18 Mbps (QPSK), 6/9Mbps (BPSK)
Output Power	35 dBm / 3000mW EIRP
Sensitivity	11b: -91dBm +/-1dbm @11Mbps, 11g: -78dBm +/-1dbm @54Mbps
Power Consumption	Transmit:<1000mA Receive:<300mA
Security	WEP 64/128, WPA, WPA2
Operating Voltage	DC 5V ± 5%
Safety/Quality Approvals	CE/FCC
Operating Temp	0 °C ~ +50 °C
Storage Temp	-10 °C ~ +65 °C
Humidity	10% ~ 90% non-condensing

Ordering Information:

- AIR-USB100GUHP AIRNET 54Mbps 802.11b/g Ultra High Power Base USB Adapter(35dBm/3Watt EIRP) with 5dBi Detachable Antenna