WL-1600USB

High Power 802.11G USB Adapter With Detachable Antenna

AirLive WL-1600USB is a High Power 802.11g USB Adapter with detachable antenna. It is designed to transfer data wirelessly over the longest possible distance.

High Power For Greater Distance of Wireless Coverage

With transmission power of 20dBm, WL-1600USB offers long distance wireless coverage. By using 5dBi antenna which is included in WL-1600USB, it can reach up to 22Mbps in normal indoor usage.

With a simple change of antenna, WL-1600USB can reach a distance of over 2 km while maintaining an average throughput of 12Mbps.

R-SMA Connector for Antenna

Detachable 5dBi Antenna

The included 5dBi omni antenna provides all directional coverage at twice the distance of standard 2dBi antenna. It is perfect for indoor client or AP user. For even more demanding application, the antenna can be removed and replaced with another antenna (using standard R-SMA connector) to ensure greater flexibility and options.

Software AP Function

In addition to the WLAN USB adapter function, the WL-1600USB can also works as an Access Point. The Software AP function allows the WL-1600USB to work as an AP when connected to your PC. The drivers for Windows and Linux are included.

Soft AP Function — USB — PC | USB Client — USB — PC

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Extensive Security

In addition to the standard WEP encryption function, the WL-1600USB also supports WPA and the latest 802.11i standard. It provides the extra security necessary for wireless network.

Specifications

Standard
- IEEE 802.11b/g

Antenna
- 5dbi

Frequency Range
- 2.400GHz~2.4835GHz

Operating Frequency / Channel
- 2.412~2.462GHz (Canada, FCC) / 11 Channels
- 2.412~2.484GHz (Japan, TELEC) / 14 Channels
- 2.412~2.472GHz (Euro, ETSI) / 13 Channels

Modulation Technique
- Orthogonal frequency division multiplexing (OFDM)
- Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)

Security
- 64/128bit WEP, WPA, WPA2, 802.1x and 802.11i

Media Access Protocol
- CSMA/CA (Collision Avoidance) with ACK

Output Power (HIGH-POWER)
- 11g: 20dBm (Typical)±1
- 11b: 23dBm (Typical)±1
- 11b: 20dBm (Typical)±1 Europe

Data Rate
- 11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps with auto rate fall back
- 11b: 11, 5.5, 2, and 1Mbps with auto-rate fall back

Sensitivity
- 54Mbps: -68dBm
- 11Mbps: -80dBm

Working Mode
- Ad-Hoc or Infrastructure

Throughput
- 22Mbps@54Mbps; 5.5Mbps@11Mbps

Host Interface
- A-Type USB 2.0 connector

Operating Temperature
- 0~55℃ ambient temperature

Storage Temperature
- -20~70℃ ambient temperature

Power Consumption
- Continuous transmission mode: 290mA at 5VDC (Max.)
- Continuous reception mode: 240mA at 5VDC (Max.)

Operating & Storage Humidity
- 90% maximum (non-condensing)

Operating System Support
- Windows® 98SE/ME/2000/XP/VISTA, Mac OS 10.4 and above, Linux

Approval
- FCC Part 15
- CE

Ordering Information:

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