

Wave Link 54ZUHV2

802.11g 54Mbps Wireless USB Adapter w/detachable SMA Antenna

Overview

Linkpro **WLG-54ZUH-v2** is a compact, low power, high security and high performance solution for versatile WLAN applications. It integrates WLAN MAC controller, baseband processor and USB2.0 interface in single chip. The integrated USB 2.0 controller reduces the cost and design complexity. No extra memory device is needed. It can fit into small PCB form factor. There is Micro-Controller inside the chip which allows the flexibility to software change the operation scenario to adapt in USB or WLAN compatibility issues. Having integrated standard compliant hardware security engine, It also improve the performance in security mode. The hardware engine includes the WEP64, WEP128, WEP256, AES-CCM, TKIP that comply Wi-Fi and IEEE 802.11 defined standards. It considers the power management issues in WLAN applications and USB certification. It provides the lower power consumption for WLAN in power saving mode and USB suspend mode and can operate in the mode of station and access point. It can fit to feature demand in different WLAN applications. This USB Adapter fully supports the features and functional compliance of IEEE 802.11b/g standard. It enables the deployment the latest updated WMM (Wi-Fi Multimedia) standard and is designed to provide good performance with minimum power consumption and enhance the advantages of robust system and cost-effective.



Features

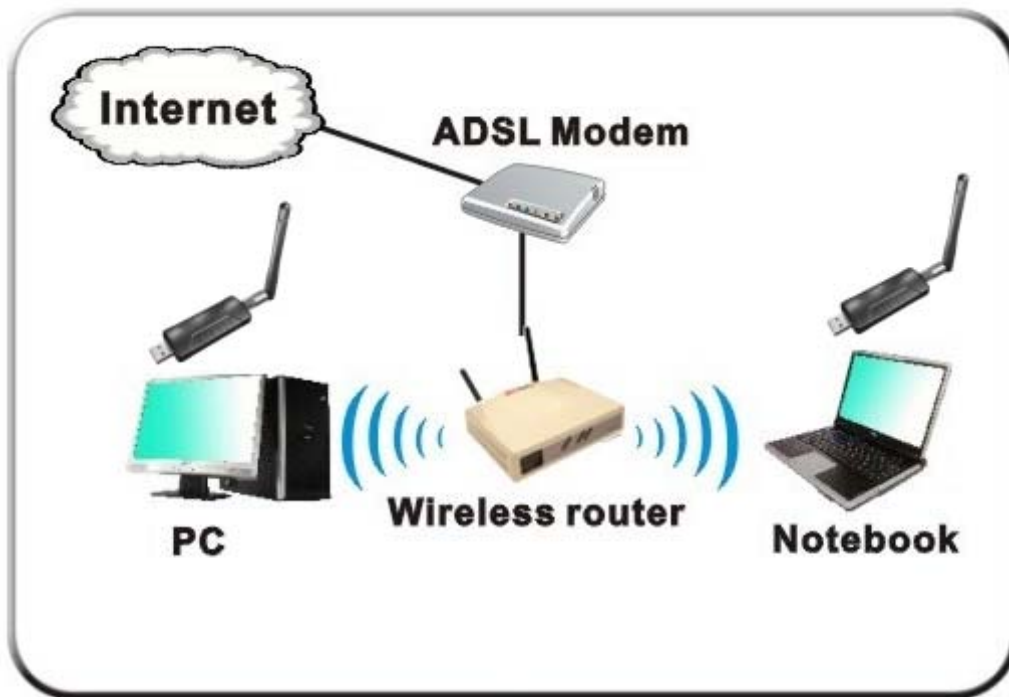
- 2.412GHz ~ 2.484GHz unlicensed ISM frequency band.
- Operating distance of up to 300 meters in free space.
- Support WMMTM (Wi-Fi Multimedia) function.
- Support USB 2.0 interface.
- 64-bit or 128-bit WEP (Wired Equivalent Privacy).
- Support for Microsoft Windows 98SE, Me, 2000, XP, Vista and Linux.
- Easy operation and setting up.

Specifications

Frequency Band	<ul style="list-style-type: none"> ● 2.4GHz ~ 2.4835GHz unlicensed ISM band
Spread Spectrum	<ul style="list-style-type: none"> ● IEEE 802.11b : DSSS (Direct Sequence Spread Spectrum) ● IEEE 802.11g : OFDM (Orthogonal Frequency Division Multiplexing)
Modulation Method	<ul style="list-style-type: none"> ● IEEE 802.11b : DBPSK / DQPSK / CCK ● IEEE 802.11g : BPSK, QPSK, 16QAM, 64QAM
Data Rate	<ul style="list-style-type: none"> ● IEEE 802.11b : 1, 2, 5.5, 11Mbps ● IEEE 802.11g : 6, 9, 12, 18, 24, 36, 48, 54Mbps
Operation Mode	<ul style="list-style-type: none"> ● Ad hoc ● Infrastructure (Access Points is needed)
Transmitter Power	<ul style="list-style-type: none"> ● 11b: 17 dBm, 11g: 14 dBm
Receive Sensitivity	<ul style="list-style-type: none"> ● Operating at 11Mbps: -80 dBm ● Operating at 54Mbps: -70 dBm
Operating Range	<ul style="list-style-type: none"> ● 300m, depending on surrounding environment
Antenna	<ul style="list-style-type: none"> ● External SMA antenna (2 dBi)
Power Consumption	<ul style="list-style-type: none"> ● Transmit : < 270mA. ● Receive : < 160mA.
Security	<ul style="list-style-type: none"> ● 64-bit or 128-bit or 256-bit WEP (Wired Equivalent Privacy) /WPA TKIP (Temporal Key Integrity Protocol)
I/O Interface	<ul style="list-style-type: none"> ● USB 2.0
LED	<ul style="list-style-type: none"> ● Green LED indicator
Operating System	<ul style="list-style-type: none"> ● Windows 98SE, Me, 2000, XP, Vista, Linux
Management	<ul style="list-style-type: none"> ● Windows-based Utility
Regulatory Compliance	<ul style="list-style-type: none"> ● FCC part 15B/C for North America. ● CE for Europe.
Operating Temperature	<ul style="list-style-type: none"> ● 0 ~ 55 Celsius

Storage Temperature	<ul style="list-style-type: none"> -20 ~ 70 Celsius
Humidity	<ul style="list-style-type: none"> 5 ~ 90% (non-condensing)
Size	<ul style="list-style-type: none"> 87(L) x 27(W) x 13.8(H) mm Antenna: 117(L)xφ10mm
Weight	<ul style="list-style-type: none"> 16g Antenna:10g

Application



Ordering Information

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** Product specification subject to change without notice.*