G-220
802.11g Wireless USB 2.0 Adapter/AP

Benefits

Wireless Client and AP Functions

ZyXEL's G-220 Dual Mode Wireless USB Adapter combines client and AP functions into one single adapter. Connect your desktop or notebook to a high-speed wireless network free of hassle or instantly create an Access Point with the built-in soft AP feature. Simply plug the adapter into a PC and the wireless network is established. The G-220 is the most compact Access Point on the market.

High Speed with USB 2.0 and 802.11g Wireless Standard

ZyXEL's G-220 wireless USB adapter is compatible with IEEE802.11g wireless standard and delivers a top speed of 54Mbps — five times faster than IEEE802.11b. Compliance with both USB 1.1 and 2.0 ports promote quick and efficient high-speed wireless connections for convenient access to Internet resources such as downloading email, MP3s or videos.

Maximum Freedom of Mobility

ZyXEL's USB adapter provides users with the freedom to roam while at home, in the office, or at public hot spots such as airports, cafés, or hotels. Compatibility with both 802.11b and 802.11g wireless standards allow wireless networks with minimum limitation.

Enhanced Wireless Security

In addition to basic 64/128/256-bit WEP encryption, ZyXEL wireless network adapters feature the latest enhanced wireless security mechanisms including 802.1x authentication and Wi-Fi Protected Access (WPA). These enhanced security measures only allow authorized users to access the network, further protecting data from being tapped during wireless transmission.

Easy Installation and Operation

With the friendly setup Wizard, installation is quick and simple. The Plug-and-Play feature and USB connection allow

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Features

- Data rate of up to 54Mbps, five times faster than 802.11b; good for delivering large files, MP3s and multi-media
- Works with both IEEE 802.11b and 802.11g (both at 2.4 GHz) for compatibility & mobility
- 64/128/256-bit WEP Encryption, 802.1x and WPA support ensure wireless data security
- Soft AP feature creates AP (Access Point) function
- Wi-Fi (WPA) Certificate to ensure interoperability
- WHQL Certificate to ensure compatibility with Microsoft Windows

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S p e c i f i c a t i o n s

Technical Specification

Standard Compliance

• IEEE 802.11g/b

Frequency Range

• 2.4G ~ 2.4835GHz

Data Rate

• 54Mbps/48Mbps/36Mbps/24Mbps/
  12Mbps/11Mbps/9Mbps/6Mbps/
  5.5Mbps/2Mbps/1Mbps
  (Automatic Fallback)

Modulation Technique

• DBPSK/DQPSK/CCK/OFDM

Network Architecture

• Ad-Hoc Mode (Peer to Peer without AP)
  & Infrastructure Mode

Host Interface

• USB 2.0

Range Coverage

• Indoor: 60m ~ 80m

• Outdoor: 150m ~ 300m

Security

• 64/128/256-bit WEP Encryption

• Wi-Fi Protected Access

Soft AP Support

Roaming

• IEEE 802.11 compliant

Transmit Output Power

• 17dBm@11M

• 15dbm@54M

Receiver Sensibility

• -85dbm@11M

• -70dbm@54M

Application

• Laptop & Desktop
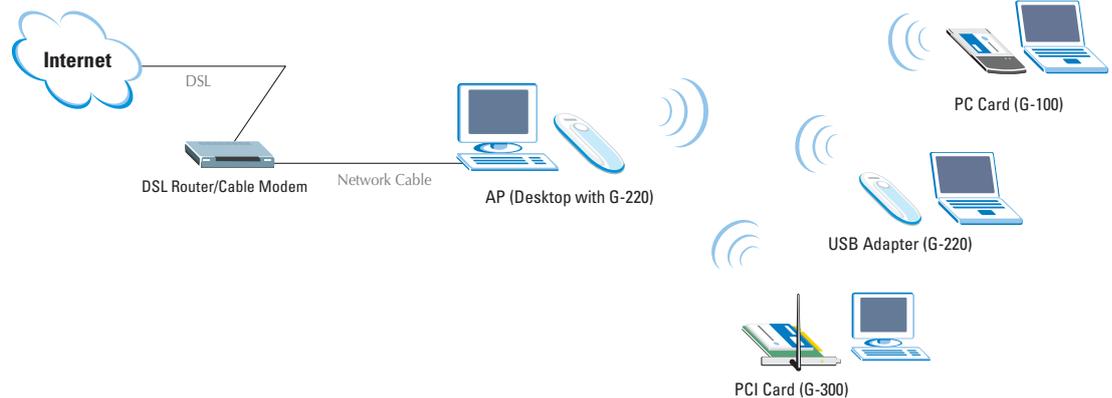
Hardware Specification

Antenna

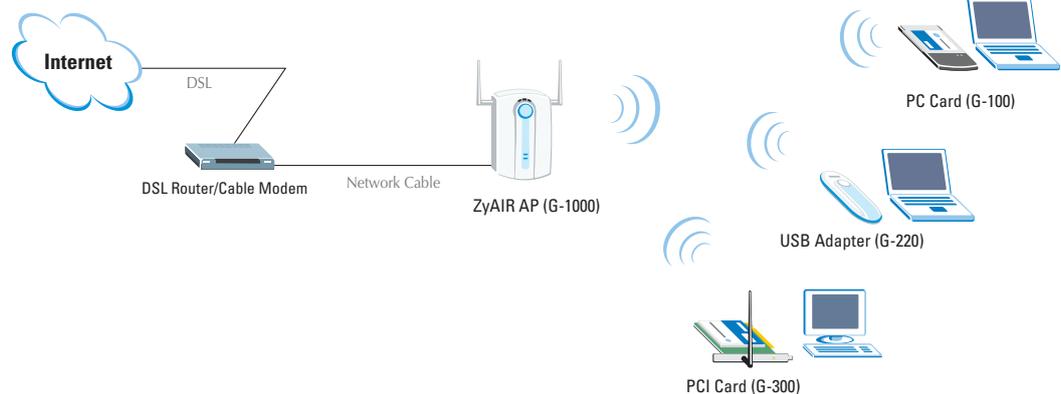• Internal patch antenna

System Requirement

• Notebook or PC with Pentium 300MHz
  or compatible above

• Available USB Type A slot
  (V2.0/V1.1 compatible)

• Microsoft Windows 98SE/ME/2000/XP

A p p l i c a t i o n   D i a g r a m

Access Point Application

Internet — DSL — DSL Router/Cable Modem — Network Cable — AP (Desktop with G-220) — PC Card (G-100), USB Adapter (G-220), PCI Card (G-300)

Wireless Client Application

Internet — DSL — DSL Router/Cable Modem — Network Cable — ZyAIR AP (G-1000) — PC Card (G-100), USB Adapter (G-220), PCI Card (G-300)

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The Standard for Wireless Fidelity.