

ZyAIR G-102 & G-302

802.11g Wireless CardBus Card

802.11g Wireless PCI Adapter



Benefits

High Speed Wireless-G Networking

Compatible with IEEE 802.11g/11b, the ZyXEL's G-102 wireless Cardbus card or G-302 wireless PCI Adapter provides users up to 54Mbps data rate, 5 times faster than wireless-B.

Easy Installation and Intuitive User Interface

The auto setup wizard makes installation quick and simple. Moreover, an intuitive user interface guarantees reliable performance.

Enhanced Wireless Security

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

Features

- Fully compliant with both IEEE 802.11b and 802.11g at 2.4GHz wireless LAN frequency
- Easy installation supported by auto setup wizard and intuitive user interface
- Easy identification LED design for power and wireless link status
- Ensures great security by supporting the 64/128/256-bits WEP (Wired Equivalent Privacy)
- WPA support (including 802.1x and Dynamic WEP key exchange)
- Supports Windows 98SE/2000/ME/XP/XP(SP1)/XP(SP2)
- WHQL certified

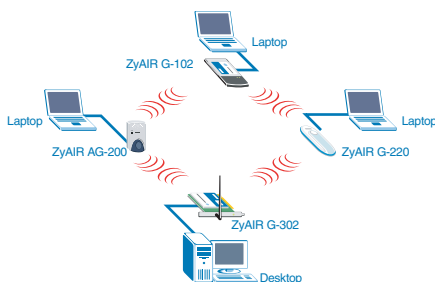
ZyAIR G-102 & G-302 802.11b/g Cardbus and PCI Adapter

Features & Specifications

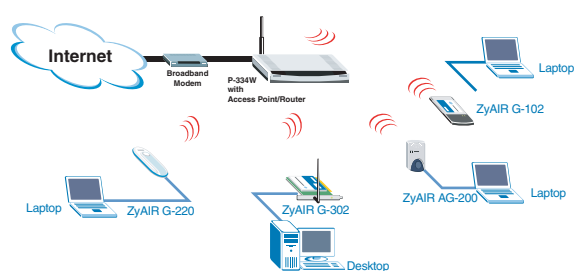
	ZyAIR G-102	ZyAIR G-302
Standard Compliance	IEEE 802.11g Standard	IEEE 802.11g Standard
	IEEE 802.11b Standard	IEEE 802.11b Standard
Application	Laptop	Desktop
Frequency Range	2.4G~2.4835GHz	
Data Rate (Automatic Fallback)	54M / 48M / 36M / 24M / 18M / 12M / 11M / 9M / 6M / 5.5M / 2M / 1Mbps	
Modulation Technique	DBPSK / DQPSK/ CCK / OFDM	
Network Architecture	Ad-Hoc Mode (Peer to Peer without AP) & Infrastructure Mode	
Host Interface	32-bit CardBus	PCI
Antenna	Internal Patch Antenna	External Antenna
Roaming	IEEE 802.11 Compliant	
Transmit Output Power	18dBm @ 11M (11b)	18dBm @ 11M (11b)
	13dBm @ 51M (11g)	13dBm @ 51M (11g)
Receiver Sensibility	-82dBm @ 11Mbps (11b)	-82dBm @ 11Mbps (11b)
	-70dBm @ 54Mbps (11g)	-70dBm @ 54Mbps (11g)
Power Consumption	11g: TX: 600mA; RX: 450mA (max)	
	11b: TX: 600mA; RX: 450mA (max)	

Application Diagram

Ad-Hoc Mode: Client-to-Client Networking



Infrastructure Mode: Client-to-Access Point



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