

# ZyAIR G-100/G-110/G-200/G-300

## 802.11g Wireless CardBus Card/CardBus Card/ USB Adapter/PCI Adapter



ZyAIR G-100



ZyAIR G-200



ZyAIR G-300

### Benefits

#### High Speed

ZyXEL's all-new wireless client adapters are compatible with IEEE802.11g standard, delivering a top speed of 54Mbps — five times faster than the current IEEE802.11b wireless network standard. With the ZyXEL 54Mbps wireless client adapters designed for laptops or desktops, you can enjoy Internet resources, access e-mails; and deliver large files, MP3 or videos with easy and safe high-speed wireless connection.

#### Maximum Freedom of Mobility

ZyXEL's client adapters provide you with the freedom of accessing the Internet anywhere, offering the maximum freedom of roaming while you are at home, in the office, or on hot spots such as airports, cafés, or hotels. With the compatibility with both 802.11b and 802.11g standard, the ZyXEL client adapters can interact with these networks wirelessly without limitation of physical ties.

#### Enhanced Wireless Security

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

#### Easy Installation and Operation

With the friendly setup Wizard, installation is quick and simple. The Plug-and-Play feature allows you to access a network wirelessly in virtually no time.

### Features

- Data rate of up to 54Mbps, five times faster than 802.11b; good for delivering large files, MP3 and video media
- Works with both IEEE 802.11b and 802.11g (both at 2.4 GHz), and offers the freedom of mobility
- 64/128-bit WEP Encryption and WPA support ensure wireless data security
- Wi-Fi Certificate to ensure interoperability
- WHQL\* Certificate to ensure compatibility with Microsoft Windows
- AMX convert to R-SMA Connector for external-range extender antenna (ZyAIR G-110)

\* For future release

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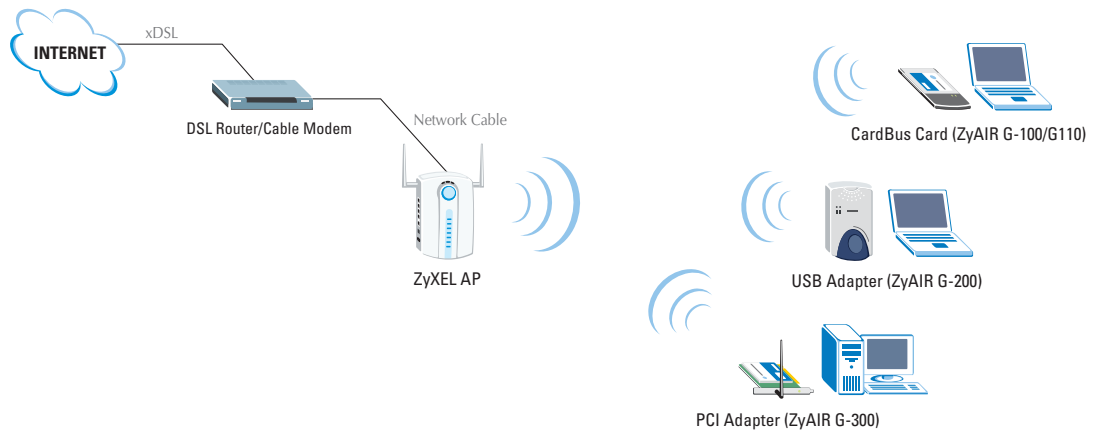
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### Feature Matrix

	ZyAIR G-100	ZyAIR G-110	ZyAIR G-200	ZyAIR G-300
<b>Product Name</b>	802.11g Wireless 32-bit CardBus Card	802.11g Wireless 32-bit CardBus Card	802.11g Wireless USB Adapter	802.11g Wireless PCI Adapter
<b>Application</b>	Laptop	Laptop	Laptop & Desktop	Desktop
<b>Standard Compliance</b>	IEEE 802.11g/b	IEEE 802.11g/b	IEEE 802.11g/b	IEEE 802.11g/b
<b>Frequency Range</b>	2.4G ~ 2.4835GHz	2.4G ~ 2.4835GHz	2.4G ~ 2.4835GHz	2.4G ~ 2.4835GHz
<b>Data Rate</b>	54Mbps/48Mbps/36Mbps/24Mbps/12Mbps/11Mbps/9Mbps/6Mbps/ 5.5Mbps/2Mbps/1Mbps (Automatic fallback)			
<b>Modulation Technique</b>	DBPSK / DQPSK / CCK / OFDM			
<b>Network Architecture</b>	Ad-Hoc Mode (Peer to Peer without AP) & Infrastructure Mode			
<b>Host Interface</b>	32-bit CardBus	32-bit CardBus	USB2.0	PCI
<b>Antenna</b>	Internal patch antenna	Dual Diversity Antennas with one external antenna connector (work with ZyXEL EXT-series Antenna)	Internal patch antenna	External Antenna with Reversed-SMA
<b>Range Coverage</b>	Indoor: 50m ~ 80m Outdoor: 150m ~ 400m	Indoor: 55m ~ 60-80m Outdoor : 150m ~ 300m	Indoor: 60m ~ 80m Outdoor: 150m ~ 300m	Indoor: 60m ~ 80m Outdoor: 150m ~ 300m
<b>Security</b>	64/128-bit WEP Encryption Wi-Fi Protected Access	64/128-bit WEP Encryption Wi-Fi Protected Access*	64/128-bit WEP Encryption Wi-Fi Protected Access*	64/128-bit WEP Encryption Wi-Fi Protected Access*
<b>Roaming</b>	IEEE 802.11 compliant	IEEE 802.11 compliant	IEEE 802.11 compliant	IEEE 802.11 compliant
<b>Transmit Output Power</b>	16dBm@11Mbps 12dBm@54Mbps	15dBm@11Mbps 12.5dBm@54Mbps	17dBm@11Mbps 13dBm@54Mbps	18dBm@11Mbps 15dBm@54Mbps
<b>Receiver Sensibility</b>	-83dBm@11Mbps -68dBm@54Mbps	-80dBm@11Mbps -66dBm@54Mbps	-82dBm@11Mbps -67dBm@54Mbps	-80dBm@11Mbps -65dBm@54Mbps

\* For future release

### Application Diagram



**ZyXEL**  
Unleash Networking Power



**WiFi**  
The Standard for Wireless Fidelity.



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