

# ZyXEL



## Dual-band Universal Wireless Network Access



- Complies with IEEE 802.11a/g
- Wireless Security with 64/128/256-bit WEP Encryption and WPA/WPA2
- Software Access Point (AP) Support
- Instant Wireless Network Setup and Connection with One Touch Intelligent Security Technology (OTIST)
- Supports WMM for Higher Throughput and QoS
- Supports Windows XP 64-Bit Edition

### Benefits

#### Universal Wireless Client Adapters

ZyXEL's IEEE 802.11a/g dual band wireless client adapter connects your desktop or computer to three wireless standard networks (A, B and G). To avoid interference, you can use auto frequency band selection or switch to IEEE 802.11a connection mode. Unlike IEEE 802.11b/g networks which use the 2.4GHz band, IEEE 802.11a uses the 5GHz frequency range specifically for high-speed transmission. In addition, with IEEE 802.11a, you don't have to worry about interference from Bluetooth systems or home appliances (such as microwave ovens and cordless phones).

#### Wireless Client and Access Point Operating Modes

ZyXEL's wireless network adapter series works as a wireless client or access point. With the built-in AP function, you can instantly create your wireless network without buying an additional AP. Or, use the wireless adapter to connect to existing wireless networks easily.

#### Enhanced Wireless Security

In addition to basic 64/128/256-bit WEP encryption, ZyXEL's wireless network adapters feature the latest, enhanced wireless security mechanisms such as IEEE 802.1x authentication and Wi-Fi Protected Access (WPA/WPA2). The enhanced security functions protect wireless communication and only allow authorized users access to your network. This protects your network from malicious break-ins and information theft.

#### Easy Installation and Intuitive User Interface

The auto setup wizard helps you install and set up a wireless connection without hassle. Moreover, the intuitive user interface guides you through the configuration with the language of your choice.

### 802.11a/g Wireless Client

AG-120

AG-220

AG-320

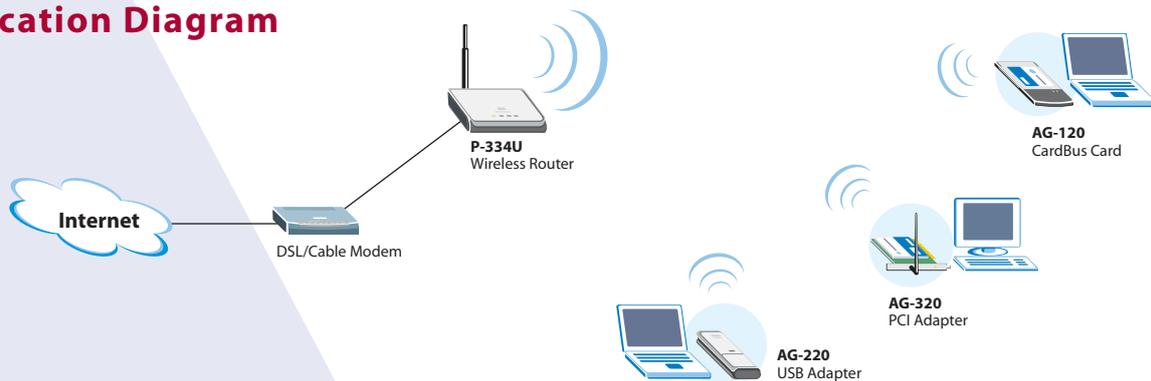


# WIRELESS

## Specifications

Model Number	AG-120	AG-220	AG-320
			
<b>Product Name</b>	802.11a/g Wireless CardBus Card	802.11a/g Wireless USB Adapter	802.11a/g Wireless PCI Adapter
<b>Standard Compliance</b>	IEEE 802.11a/b/g standard		
<b>Application</b>	Laptop	Laptop/Desktop	Desktop
<b>Frequency Range</b>	802.11b/g: 2.4 ~ 2.4835 GHz (FCC/Taiwan/CE) 802.11a: 5.15 ~ 5.25 GHz (FCC/CE) 5.25 ~ 5.35 GHz (FCC/Taiwan/CE) 5.470 ~ 5.725 GHz (CE) 5.725 ~ 5.825 GHz (FCC/Taiwan)		
<b>Data Rate (Automatic Fallback)</b>	54M/48M/36M/24M/18M/12M/11M/9M/6M/5.5M/2M/1Mbps		
<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	USB 2.0	PCI
<b>Antenna</b>	Internal Patch Antenna		External Antenna
<b>Security</b>	64/128/256-bit WEP/WPA/WPA2		
<b>QoS</b>	WMM		
<b>Roaming</b>	IEEE 802.11 compliant		
<b>Transmit Output Power</b>	802.11a: 12 ± 2 dBm @54 Mbps (typical 13 dBm) 802.11b: 17 ± 2 dBm @11 Mbps (typical 18 dBm) 802.11g: 14 ± 2 dBm @54 Mbps (typical 15 dBm)		
<b>Receiver Sensibility</b>	70 dBm @54M, 85 dBm @11M		
<b>Physical Specifications</b>			
Dimensions	115 (L) x 53 (W) x 6 (H) mm	81 (L) x 27 (W) x 13 (H) mm	120 (L) x 47 (W) x 18 (H) mm
Weight	40 g	25.8 g	46 g
<b>Environmental Specifications</b>			
Operating Temperature	0°C ~ 50°C		
Humidity	20% ~ 95%, non-condensing		

## Application Diagram



For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)

**Corporate Headquarters**  
ZyXEL Communications Corp.  
Tel: +886-3-578-3942  
Fax: +886-3-578-2439  
Email: sales@zyxel.com.tw  
http://www.zyxel.com  
http://www.zyxel.com.tw

**ZyXEL Denmark A/S**  
Tel: +45 39 55 07 00  
Fax: +45 39 55 07 07  
Email: sales@zyxel.dk  
http://www.zyxel.dk

**ZyXEL France SARL**  
Tel: +33 (0)4 72 52 97 97  
Fax: +33 (0)4 72 52 19 20  
Email: info@zyxel.fr  
http://www.zyxel.fr

**ZyXEL Hungary**  
Tel: +36-1-336-1646  
Fax: +36-1-325-9100  
Email: info@zyxel.hu  
http://www.zyxel.hu

**ZyXEL North America**  
Tel: +1-714-632-0882  
Fax: +1-714-632-0858  
Email: sales@zyxel.com  
http://www.us.zyxel.com

**ZyXEL Poland**  
Tel: +48 (22) 333 8250  
Fax: +48 (22) 333 8251  
Email: info@pl.zyxel.com  
http://www.pl.zyxel.com

**ZyXEL Spain**  
Tel: +34 902 195 420  
Fax: +34 913 005 345  
Email: sales@zyxel.es  
http://www.zyxel.es

**ZyXEL UK Ltd.**  
Tel: +44 (0) 1344 303044  
Fax: +44 (0) 1344 303034  
Email: sales@zyxel.co.uk  
http://www.zyxel.co.uk

**ZyXEL Czech s.r.o.**  
Tel: +420 241 091 350  
Fax: +420 241 091 359  
Email: info@zyxel.cz  
http://www.zyxel.cz

**ZyXEL Finland Oy**  
Tel: +358-9-4780 8400  
Fax: +358-9-4780 8448  
Email: sales@zyxel.fi  
http://www.zyxel.fi

**ZyXEL Germany GmbH.**  
Tel: +49 (0) 2405-6909 0  
Fax: +49 (0) 2405-6909 99  
Email: sales@zyxel.de  
http://www.zyxel.de

**ZyXEL Kazakhstan**  
Tel: +7-327-2-590-699  
Fax: +7-327-2-590-689  
Email: sales@zyxel.kz  
http://www.zyxel.kz

**ZyXEL Norway A/S**  
Tel: +47 22 80 61 80  
Fax: +47 22 80 61 81  
Email: sales@zyxel.no  
http://www.zyxel.no

**ZyXEL Russia**  
Tel: +7 (095) 542-8920  
Fax: +7 (095) 542-8925  
Email: info@ru.zyxel.ru  
http://www.zyxel.ru

**ZyXEL Sweden A/S**  
Tel: +46 (0) 31 744 77 00  
Fax: +46 (0) 31 744 77 01  
Email: sales@zyxel.se  
http://www.zyxel.se

**ZyXEL Ukraine**  
Tel: +380 44 494 49 31  
Fax: +380 44 494 49 32  
Email: sales@ua.zyxel.com  
http://www.ua.zyxel.com