

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



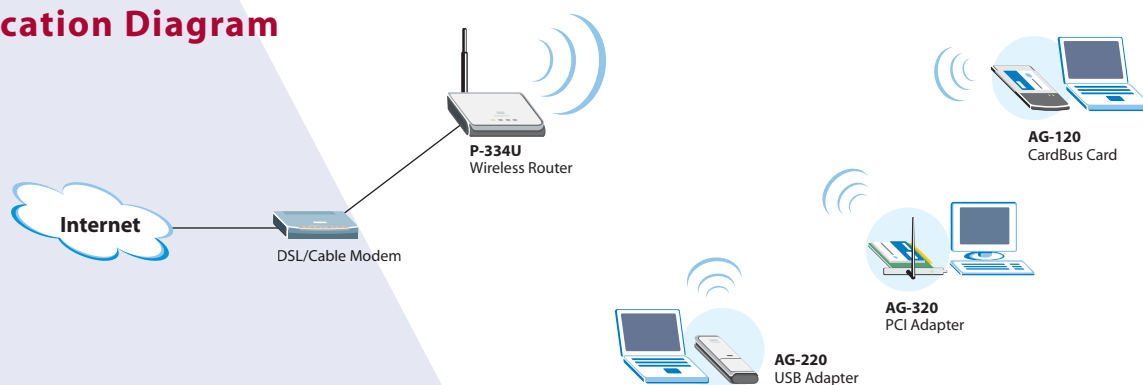
WIRELESS

Specifications

Model Number	AG-120	AG-220	AG-320
			
Product Name	802.11a/g Wireless CardBus Card	802.11a/g Wireless USB Adapter	802.11a/g Wireless PCI Adapter
Standard Compliance	IEEE 802.11a/b/g standard		
Application	Laptop	Laptop/Desktop	Desktop
Frequency Range	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)		
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	USB 2.0	PCI
Antenna	Internal Patch Antenna		External Antenna
Security	64/128/256-bit WEP/WPA/WPA2		
QoS	WMM		
Roaming	IEEE 802.11 compliant		
Transmit Output Power	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)		
Receiver Sensibility	70 dBm @54M, 85 dBm @11M		
Physical Specifications			
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
Environmental Specifications			
Operating Temperature	0°C ~ 50°C		
Humidity	20% ~ 95%, non-condensing		
OS Support	Microsoft Windows 2000 and XP	Microsoft Windows 2000, XP, and Vista	Microsoft Windows 2000 and XP

*Soft AP function of AG-220 is not available on Windows Vista.

Application Diagram



For more product information, visit us on the web at www.ZyXEL.com