ZyAIR AG-100 & AG-200

802.11a/b/g Cardbus and USB Adaptors

Benefits

Dual-Band Coverage

ZyXEL ZyAIR AG-100 & AG-200 client adaptors provide full support for 802.11a, 802.11b, and 802.11g and can connect to just about any wireless LAN. Intelligent software constantly monitors the wireless connection and will change bands to avoid interference and maintain high throughput level.

Atheros Super AG Support

Atheros Super A & G are popular methods for achieving faster than 802.11g data rates. Both the ZyAIR AG client adaptors fully support Atheros AG and can connect at up to 108Mbps in either 802.11a or 802.11g mode when connecting to a compatible wireless access point.

Atheros XR Technology

ZyXEL's ZyAIR AG adaptors support the new Atheros XR technology. When paired with an Atheros XR compatible access point, connection distances can be greatly enhanced over typical 802.11a or 802.11g coverage.

Enhanced Wireless Security

In addition to basic 64/128/152-bit WEP encryption, the ZyAIR AG client adaptors provide enhanced wireless security mechanisms of 802.1x authentication and Wi-Fi Protected Access (WPA) as well. These enhanced security measures restrict access only to authorized users and prevent data from being tapped during wireless transmission.

Easy Installation and Operation

Installation is quick and easy with user friendly setup wizards. The Plug-and-Play feature allows for fast and effortless connection to a wireless network.

Features

- Dual-band mode supports both 5Ghz and 2.4Ghz wireless LAN frequencies.
- Fully compatible with 802.11a, 802.11b, and 802.11g wireless networks.
- Support for Atheros Super AG modes allows for wireless LAN connections of up to 108Mbps.
- Atheros XR technology can extend your wireless LAN to do distances.
- AG-200 is the first dual-band USB adaptor to reach the market.
- Full support for WPA, WPA-PSK, and WEP.
- Future upgradeable to 802.11i security

ZyXEL
Unleash Networking Power

ZyAIR AG-100 & AG-200

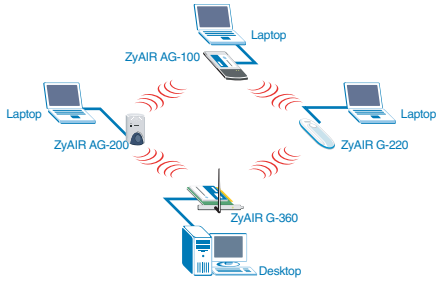
802.11a/b/g Cardbus and USB Adapter

Features & Specifications

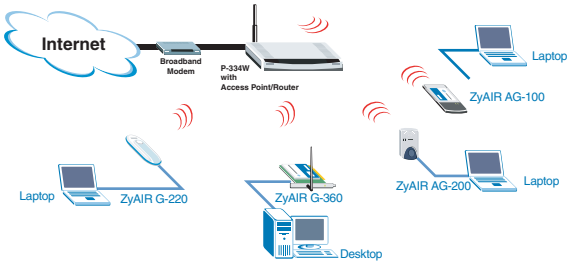
	ZyAIR AG-100	ZyAIR AG-200
Standard Compliance	IEEE 802.11a/b/g	IEEE 802.11a/b/g
Atheros Super A	Yes	Yes
Atheros Super G	Yes	Yes
Atheros XR	Yes	Yes
Interface	Cardbus	USB 2.0
Antenna	Internal Patch	Internal Patch + External
Security		
WEP Encryption	64/128/152-bit	64/128/152-bit
WPA	Full	Full
WPA Pre-Shared Key (PSK)	Yes	Yes
Transmit Power		
	18dBm @ 11Mbps (11b)	18dBm @ 11Mbps (11b)
	15dBm @ 54Mbps (11g)	15dBm @ 54Mbps (11g)
	14dBm @ 54Mbps (11a)	14dBm @ 54Mbps (11a)
Receive Power		
	-82dBm @ 11Mbps (11b)	-82dBm @ 11Mbps (11b)
	-70dBm @ 54Mbps (11g)	-70dBm @ 54Mbps (11g)
	-69dBm @ 54Mbps (11a)	-69dBm @ 54Mbps (11a)

Application Diagram

Ad-Hoc Mode: Client-to-Client Networking



Infrastructure Mode: Client-to-Access Point



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