

ZyAIR B-120/B-220/B-101

Wireless LAN PC Card/USB Stick/PC Card with Detachable Antenna

As a broadband wireless LAN solution provider, ZyXEL introduces the ZyAIR B-120 Wireless LAN PC Card, the ZyAIR B-220 Wireless LAN USB Stick and the ZyAIR B-101 Wireless LAN PC Card with Detachable Antenna. Part of the ZyAIR client family, the ZyAIR B-120/B-220/B-101 provides compact, cost-effective designs that meet the varying demands of all different types of users.

With Wi-Fi and Microsoft Windows Hardware Quality Labs (WHQL) certification, the ZyAIR client family is compatible with all Wi-Fi certified products and ensures a hassle-free installation experience. Furthermore, the ZyAIR client family supports 802.1x client software, such as EAP-MD5, EAP-TLS, EAP-TTLS, PEAP and serial authentication protocol, which enhances wireless security and simplifies network management.

The highly adaptable ZyAIR PC card and USB stick provide a flexible, reliable, and convenient network connection to satisfy any wireless access demands. With IEEE 802.11b compliance and wire-free network access, the ZyAIR client family allows you to connect with your wireless LAN and allows you to roam freely between different Access Points.

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Wireless LAN PC Card

- Wi-Fi certified to ensure interoperability
- WHQL certified to ensure compatible with Microsoft Windows
- Adapter for PCMCIA-compliant notebooks and computers
- 802.1x client software embedded
- Wi-Fi Protected Access (WPA) support*
- 256 bit WEP support*
- Provide high-performance connectivity and the freedom to move around



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Wireless LAN USB Stick

- Wi-Fi certified to ensure interoperability
- WHQL certified to ensure compatible with Microsoft Windows
- Adapter for USB-compliant notebooks and computers
- Truly Plug-and-Play provision
- 802.1x client software embedded
- Wi-Fi Protected Access (WPA) support*
- 256 bit WEP support*



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Wireless LAN PC Card with Detachable Antenna

- Adapter for PCMCIA-compliant notebooks and computers
- Detachable antenna design to connect external antenna
- Portable antenna design for notebook users
- Extend distance and coverage with ZyAIR EXT-102 antenna
- 802.1x client software

ZyAIR EXT-102

- Frequency: 2.4GHz
- Gain: 2.2dBi
- VSWR: 2.0
- HPBW/Horizontal: 360°
- HPBW/Vertical: 80°
- Cable Length: 40cm



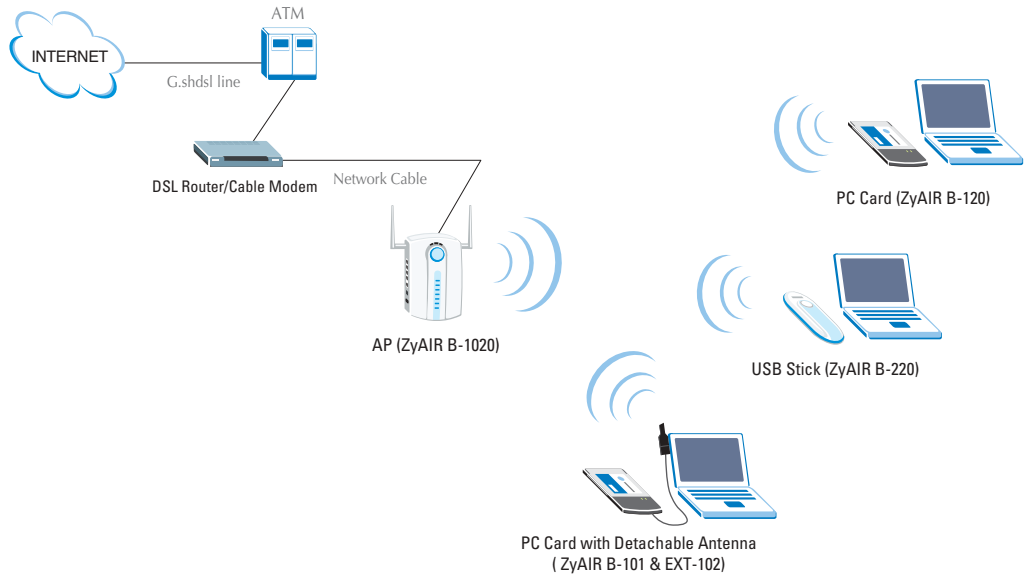
ZyXEL
Unleash Networking Power

* Future driver upgrade

Features & Specifications

	ZyAIR B-101	ZyAIR B-120	ZyAIR B-220
Product Name	Wireless LAN PC Card with Detachable Antenna	Wireless LAN PC Card	Wireless LAN USB Stick
Application	Notebook	Notebook	Notebook & Desktop
Standard Compliance	IEEE 802.11b	IEEE 802.11b	IEEE 802.11b
Frequency Range	2.4G ~ 2.4835GHz	2.4G ~ 2.4835GHz	2.4G ~ 2.4835GHz
Data Rate	11M/5.5M/2M/1M	11M/5.5M/2M/1M	11M/5.5M/2M/1M
Modulation Technique	DSSS (Direct Sequence Spread Spectrum) BPSK/QPSK/CCK		
Network Architecture	Ad-Hoc Mode (Peer to Peer without AP) & Infrastructure Mode		
Host Interface	PCMCIA	PCMCIA	USB
Antenna	Detachable patch antenna	Internal patch antenna	Internal patch antenna
Range Coverage	Indoor: 50m ~ 80m Outdoor: 150m ~ 300m	Indoor: 50m ~ 80m Outdoor: 150m ~ 300m	Indoor: 50m ~ 80m Outdoor: 150m ~ 300m
Security	64/128-bit WEP Encryption	64/128/256*-bit WEP Encryption	
Roaming	IEEE 802.11 compliant	IEEE 802.11 compliant	IEEE 802.11 compliant
Transmit Output Power	15dBm (typical)	17dBm (typical)	17dBm (typical)

Application Diagram



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