

ZyAIR B-122/B-320/B-420

802.11b Wireless CardBus Card/ PCI Adapter/Ethernet Adapter

As a broadband wireless LAN solution provider, ZyXEL introduces the ZyAIR B-122, 802.11b Wireless CardBus Card, the ZyAIR B-320 802.11b Wireless PCI Adapter and ZyAIR B-420 802.11b Wireless Ethernet Adapter. Part of the ZyAIR client family, the ZyAIR B-122/B-320/B-420 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 hassle-free installation. The ZyAIR client family also offers great

security by providing 64 bit and 128 bit Wired Equivalent Privacy (WEP) & Wi-Fi Protected Access (WPA), which enhances wireless security and simplifies network management.

The highly adaptable ZyAIR B-122/B-320/B-420 provide a flexible, reliable, and convenient network connection to satisfy all wireless access demands. With IEEE 802.11b compliance, 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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802.11b Wireless CardBus Card

- Wi-Fi* certified to ensure interoperability
- 64/128 Bit Wired Equivalent Privacy (WEP) ensures great security
- WHQL certified to ensure compatible with Microsoft Windows
- Adapter for PCMCIA-compliant notebooks and computers
- Proprietary 16.5Mbps transmission speed with ZyAIR B-500 AP
- 802.1x client software embedded
- Wi-Fi Protected Access (WPA*) support
- Provide high-performance connectivity and the freedom to move around



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802.11b Wireless PCI Adapter

- Wi-Fi* certified to ensure interoperability
- 64/128 Bit Wired Equivalent Privacy (WEP) ensures great security
- WHQL certified to ensure compatible with Microsoft Windows
- Adapter for PCI-interface desktop computers
- Proprietary 16.5Mbps transmission speed with ZyAIR B-500 AP
- 802.1x client software embedded
- Wi-Fi Protected Access (WPA*) support



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802.11b Wireless Ethernet Adapter

- Ethernet adapter for connecting to RJ-45 Ethernet port on non PC Card-enabled devices, such as desktop, game consoles, printers or other Ethernet-enabled devices
- 64/128 Bit Wired Equivalent Privacy (WEP) ensures great security
- Built-in Web management and Windows-based utility support
- CNM support (F/W remote upgrade and remote configuration)
- IEEE 802.1x security (EAP-MD5, EAP-TLS, EAP-TTLS, PEAP) pass through
- SNMP v2c with MIB II
- IPSec, PPTP and L2TP pass through support
- Power over Ethernet
- MAC Cloning
- Command-line interface
- WDS Bridge mode configurable per link
- No driver installation needed
- Excellent coverage with powerful reach
- Best performance in its class



* For future release

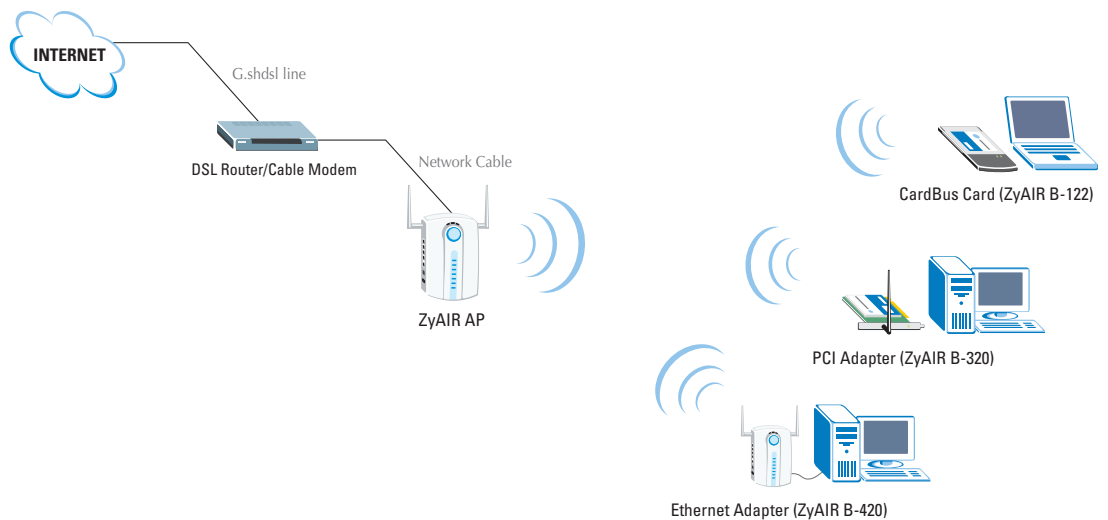
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802.11b Wireless CardBus/PCI Adapter/Ethernet Adapter

Features & Specifications

	ZyAIR B-122	ZyAIR B-320	ZyAIR B-420
Product Name	802.11b Wireless CardBus Card	802.11b Wireless PCI Adapter	802.11b Wireless Ethernet Adapter
Application	Notebook	Desktop	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 (Proprietary 16.5Mbps)		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	CardBus 32	PCI V2.1	Ethernet Interface (RJ-45)
Antenna	Internal patch antenna	External Antenna with Reversed-SMA	2 Detachable antennas
Range Coverage	Indoor: 50m ~ 80m Outdoor: 150m ~ 400m	Indoor: 50m ~ 80m Outdoor: 150m ~ 400m	Indoor: 50m ~ 100m Outdoor: 150m ~ 300m
Security	64/128-bit WEP Encryption	64/128-bit WEP Encryption	64/128-bit WEP Encryption
Roaming	IEEE 802.11 compliant	IEEE 802.11 compliant	IEEE 802.11 compliant
Transmit Output Power	17dBm (typical)	15dBm (typical, without Antenna)	17dBm
Power over Ethernet	N/A	N/A	Yes

Application Diagram



ZyXEL
Unleash Networking Power



WiFi
The Standard for Wireless Fidelity.



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