

ZyXEL



Reach Farther, No Dead Spot

- Up to 800% better coverage and throughput speeds
- Backwards compatible with any IEEE802.11b/g device
- Increased security with WPA
- Ideal solution for heavy payloads such as online gaming, video streaming, internet radio, and more

Benefits

MIMO and Smart Antenna Technology

Mobile users who demand the best performance with their network devices look no more! The ZyXEL MIMO adapters are the perfect solution capturing both increased range and throughput speeds for wireless network communications. Smart Antenna MIMO (Multiple Input; Multiple Output) technology gives the ZyXEL MIMO adapters up to 8x better performance than other standard IEEE802.11b/g Wi-Fi devices. Home and SOHO users can enjoy the fact that the ZyXEL MIMO adapters can turn traditional "dead-zones" into potential "hot-zones." Backwards compatible with any IEEE802.11b/g Wi-Fi device, the ZyXEL MIMO adapters can potentially increase the range and throughput in any wireless network scenario.

WPA Wireless Security

Security is always an issue whenever wireless networking is in your equation. The ZyXEL MIMO adapters use the most advanced security protocols in WPA (Wi-Fi Protected Access). Setup is a breeze and with one of the strongest encryption methods in WPA-PSK (Pre-shared Key) gives you peace of mind. SMB and Enterprise users can utilize IEEE802.1x support built right into the ZyXEL MIMO adapters for authentication purposes. When maximum security, speed, and range are a necessity, the ZyXEL MIMO adapters are the perfect wireless communication solution.

Wireless Mobility with Roaming

Use the ZyXEL Utility to set up your wireless network connection with simple mouse clicks. Once set up, you can move freely between access points without disrupting your connection, giving you seamless wireless mobility in the network.



802.11g Wireless MIMO Client

M-102/M-302

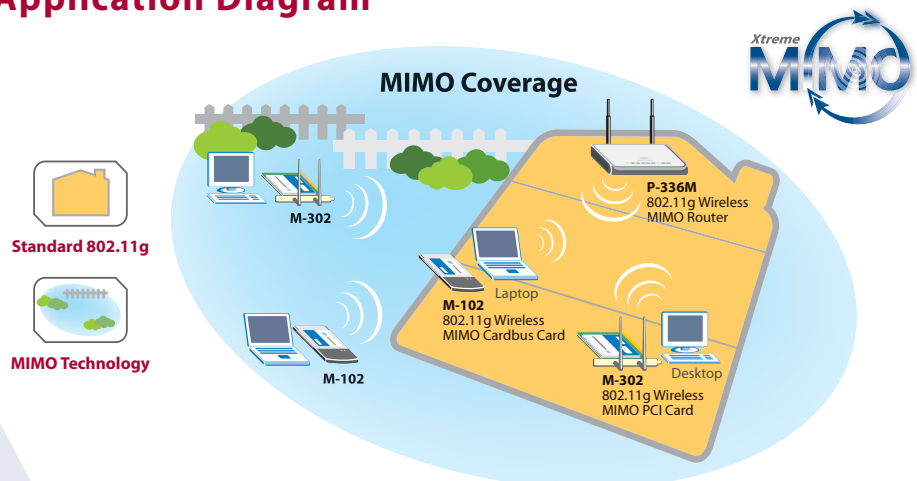


WIRELESS

Specifications

Product Number	M-102	M-302
		
Product Name	802.11g Wireless MIMO CardBus Card	802.11g Wireless MIMO PCI Card
Standard Compliance	IEEE 802.11g standard	
Application	Laptop	Desktop
Frequency Range	2.4G ~ 2.4835GHz	
Data Rate (Automatic Fallback)	108Mbps	
Modulation Technique	DBPSK/DQPSK/CCK/OFDM	
Network Architecture	Ad-Hoc Mode (Peer to Peer without AP) & Infrastructure Mode	
Host Interface	32-bit CardBus	PCI
Antenna	Internal Patch Antenna	Two External Antenna
Transmission Technique	MIMO	MIMO
Security	64/128/256-bit WEP/WPA	
QoS	WMM	
Roaming	IEEE 802.11 compliant	
Range Coverage	Indoor: 50-150m; Outdoor: 100-200m	
Transmit Output Power	802.11g: 16 dBm @54Mbps (typical 15 dBm)	
Receiver Sensibility	-74 dBm @54M	
Physical Specifications		
Dimensions	114.7 (W) x 53.8 (H) x 6.0 (D) mm	134.0 (W) x 119.0 (D) x 22.0 (H) mm
Weight	40g	73g
Environmental Specifications		
Operating Temperature	0°C ~ 50°C	
Humidity		

Application Diagram



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

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