

# 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

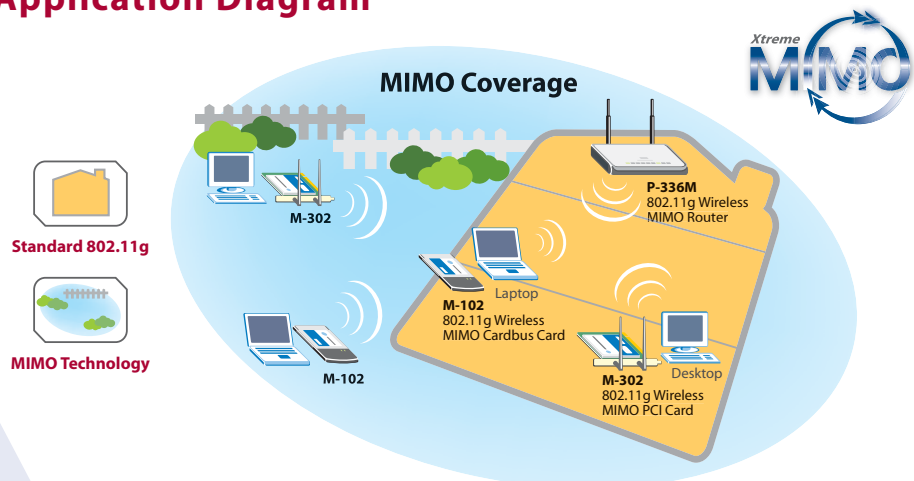


# WIRELESS

## Specifications

Product Number	M-102	M-302
		
<b>Product Name</b>	802.11g Wireless MIMO CardBus Card	802.11g Wireless MIMO PCI Card
<b>Standard Compliance</b>	IEEE 802.11g standard	
<b>Application</b>	Laptop	Desktop
<b>Frequency Range</b>	2.4G ~ 2.4835GHz	
<b>Data Rate (Automatic Fallback)</b>	108Mbps	
<b>Modulation Technique</b>	DBPSK/DQPSK/CCK/OFDM	
<b>Network Architecture</b>	Ad-Hoc Mode (Peer to Peer without AP) & Infrastructure Mode	
<b>Host Interface</b>	32-bit CardBus	PCI
<b>Antenna</b>	Internal Patch Antenna	Two External Antenna
<b>Transmission Technique</b>	MIMO	MIMO
<b>Security</b>	64/128/256-bit WEP/WPA	
<b>QoS</b>	WMM	
<b>Roaming</b>	IEEE 802.11 compliant	
<b>Range Coverage</b>	Indoor: 50-150m; Outdoor: 100-200m	
<b>Transmit Output Power</b>	802.11g: 16 dBm @54Mbps (typical 15 dBm)	
<b>Receiver Sensibility</b>	-74 dBm @54M	
<b>Physical Specifications</b>		
<b>Dimensions</b>	114.7 (W) x 53.8 (H) x 6.0 (D) mm	134.0 (W) x 119.0 (D) x 22.0 (H) mm
<b>Weight</b>	40g	73g
<b>Environmental Specifications</b>		
<b>Operating Temperature</b>	0°C ~ 50°C	
<b>Humidity</b>	20% ~ 95%, non-condensing	

## Application Diagram



For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)

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