



- Up to 800% Better Coverage and Speeds Up to 108Mbps
- Eliminates Internet Lag Optimizing Online Gaming, VoIP, Internet Radio, P2P Applications, and More!
- Easy Setup with Microsoft Windows Connect Now
- Maximize Your Range for Your Wi-Fi Mobile Devices

Say Goodbye to Dead-Spots and Lag-filled Networks

Benefits

MIMO and Smart Antenna Technology

The ZyXEL X-550 **XtremeMIMO™** Broadband Router featuring up to 108Mbps Super G in Turbo Mode Wireless and MIMO (Multiple Input Multiple Output) Smart Antenna Technology provides the ultimate solution for speed and coverage. The ZyXEL X-550 eliminates dead zones by using Smart Antenna technology which 'seeks' out and sets up the best methods for connecting with a client. Backwards compatible with any IEEE802.11b/g Wi-Fi certified device, the range and throughput speeds can be increased with other non-**XtremeMIMO™** products.

Built-In StreamEngine™ Technology for QoS

The ZyXEL X-550 enables you to run multiple applications without degrading the quality of your internet experience. Interactive applications such as VoIP and online games are very sensitive to congestion on your network which can cause delays referred to as internet lag. With its built-in StreamEngine™ technology, the ZyXEL X-550 automatically prioritizes delay sensitive traffic and eliminates internet lag.

Easy Setup with Windows Connect Now

Users who have upgraded their Windows operating system to Microsoft Windows XP Service Pack 2, the ZyXEL X-550 can now be setup even easier using a USB flash drive and Microsoft's Windows Connect Now (WCN). Connect multiple users to the network without any necessary configuration utilities or applications on each client!

Enhanced Security with WPA2 and Firewall

In order to protect your wireless data transmissions, the ZyXEL X-550 provides Wi-Fi Protected Access (WPA) and WPA2 featuring AES (Advanced Encryption Standard) standard. To combat efforts from would-be hackers to intrude on your network, the ZyXEL X-550's SSID can be hidden. The ZyXEL X-550 has Stateful Packet Inspection (SPI) firewall with advanced features supporting a variety of online games and Internet applications in order to ease setup for the home user. SOHO consumers will be glad to know that the ZyXEL X-550 supports VPN pass-through creating a secure connection at any remote location. Policies can be defined on the ZyXEL X-550 providing customized filters.

802.11g XtremeMIMO™
Wireless Broadband Router

X-550

Specifications

Standard Compliance

IEEE 802.3/3u, IEEE 802.11b/g

Hardware Interface

- LAN Port: 4 x 10/100Mbps Ethernet (with auto-MDX/MDIX support)
- WAN Port: 1 x 10/100Mbps Ethernet (with auto-MDX/MDIX support)
- WLAN: ZyXEL XtremeMIMO™ (up to 108Mbps with ACS support)
- USB Port: 1 x USB for Microsoft Windows Connect Now Technology

Frequency Range

- 2.4GHz to 2.462GHz

Wireless Antenna

- 2 x Internal 2.4GHz Omni-directional Smart Antenna
- 2 x External 2.4GHz Non-detachable 4dBi Smart Antenna

Router Features

- QoS/Traffic Shaping StreamEngine
- Wireless Distribution System (WDS)
- PPTP/L2TP/IPSec VPN pass-through
- DHCP Server (LAN) and Client (WAN)
- NAT and Static/Dynamic Routing Engine
- Stateful Packet Inspection (SPI) Firewall
- System Logging with E-Mail Alerts
- Policy-based Access/Parental Controls

Wireless Security

- 64/128-bit WEP and SSID Invisibility
- WPA (TKIP) and WPA2 (AES)
- IEEE802.1x Authentication
- MAC/URL/IP Address Filtering

Power Input

- DC 5.0V,2.0A External Power Supply (AC: 100-240V ~ 50/60Hz 0.5A)

Storage Environment

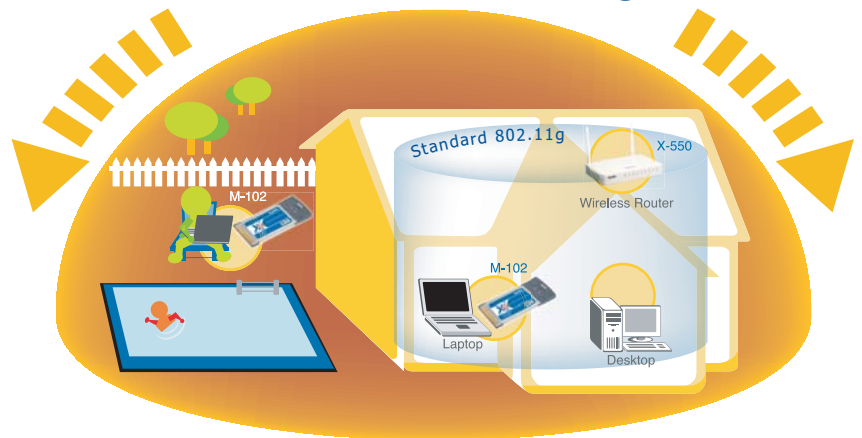
- Temperature: -20°C to 70°C
- Humidity: 10% to 85% Non-Condensing

Operating Environment

- Temperature: 0°C to 40°C
- Humidity: 10% to 70% Non-Condensing



XtremeMIMO™ Coverage



XtremeMIMO™ LONG RANGE HIGH SPEED

Standard 802.11g

MIMO Technology



Traffic Prioritization with StreamEngine™



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

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