

# G-500

## 802.11g Wireless Access Point



The 802.11g-compatible ZyXEL G-500 delivers a high-speed, reliable and easy-to-use wireless connection throughout your home or small office at an affordable price. By connecting a G-500 wireless Access Point to your wired network, users can enjoy wireless Internet access faster than ever before. Meanwhile, robust security ensures the Internet connection is protected. The ZyXEL G-500 is the ideal solution for your wireless Internet experience.

### Benefits

#### High Performance and Better Radio Coverage

Compliance with the IEEE 802.11g wireless standard allows for data transmission speeds of up to 54Mbps, 5 times faster than 802.11b, the most widely deployed wireless standard. Meanwhile, ZyXEL G-500 is also compatible with the IEEE 802.11b wireless standard, which ensures maximum interoperability with other 802.11g and 802.11b-compliant devices.

#### Maximum Freedom of Mobility

ZyXEL's wireless Access Point offers you the maximum mobility of roaming in your office or at home. No matter where you are, you can easily and securely access to Internet resources, emails; or share large files, MP3 and videos through wireless Access Points.

#### Enhanced Wireless Security

ZyXEL's wireless Access Point supports both basic 64/128-bit WEP encryption and up-to-date enhanced wireless security with 802.1x authentication and Wi-Fi Protected Access (WPA). Additional Mac address filtering shields wireless network from unauthorized users' entries and assures your wireless communication is protected.

#### Easy Installation and Use

An user-friendly Web-based configuration helps you easily install ZyXEL's wireless Access Point to build up a wireless network effortlessly.

### Features

- IEEE 802.11g-compliant specification; Also backward compatible with 802.11b
- IEEE 802.1x security and WPA support
- 64/128-bit WEP encryption
- MAC address filtering through WLAN (support 32 users)
- Built-in local server to authenticate wireless users without interacting RADIUS server (32 users)
- Support DHCP client and relay to get/pass IP address from/to DHCP server via Ethernet port
- Support SNMP v2c with MIB II
- IPSec, PPTP and L2TP pass through
- FTP/TFTP firmware upgradeable and configuration can be backup and restored
- User-friendly Web-based configuration

## Specifications

### Technical Specification

- Standard Compliance
  - IEEE 802.11
  - IEEE 802.11g
  - IEEE 802.3 and 802.3u
  - IEEE 802.1x
- Ethernet Interface
  - One 10/100 BASE-T RJ-45 Ethernet connector
- Data Rate
  - 11g: 54/48/36/24/18/12/9/6Mbps (auto fallback)
  - 11b: 11/5.5/2/1Mbps (auto fallback)
- Frequency range
  - 2.4 ~ 2.4835GHz (Industrial Scientific Medical Band)

- Modulation Technique
  - OFDM
- Receive Sensitivity
  - 11g: -82dBm@ 6Mbps
  - 11b: -87dBm@ 1Mbps
- Channels
  - USA (1~11 Channel)
  - Europe (1~13 Channel)
  - Japan (1~14 Channel)

### Hardware Specification

- Antenna
  - 1 non-detachable dipole antenna
- Reset Button
  - Restore to the factory default settings
- LEDs
  - PWR/SYS
  - Ethernet Link

### Physical Specification

- Dimensions: 120(L) x 105(D) x 35(H) mm
- Weight: 180g

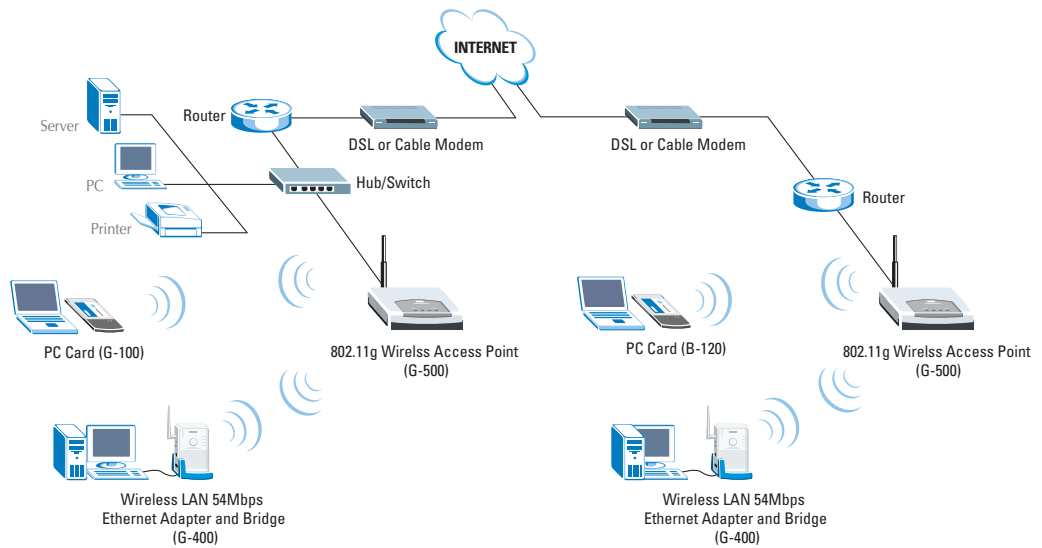
### Power Requirement

- Power supply: 9VAC@ 1 Amp Max.
- Output Power: 15dBm (typical)

### Operating Environment

- Operating Temperature: 5°C ~ 50°C
- Storage Temperature: -20°C ~ 55°C
- Operating Humidity: 10% ~ 90% RH
- Storage Humidity: 5% ~ 95% RH

## Application Diagram



## Connectors



**ZyXEL**  
Unleash Networking Power

**WiFi**  
The Standard for Wireless Fidelity. **FC CE**

This product is designed for the 2.4 GHz WLAN network throughout the EC region.

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