



# ZyAIR™ B-1000

Wireless LAN Access Point



Connecting anywhere at anytime, with no more wires!

The secure and reliable ZyAIR B-1000 Wireless LAN Access Point delivers a cost-effective and easy-to-use Wireless LAN solution for residential and business applications. By using the built-in Web-based configurator, the ZyAIR B-1000 Access Point enables you to easily integrate your wireless connection into your existing wired network for a wide range of flexibility and movement.

The ZyAIR B-1000 Wireless LAN Access Point is based on the IEEE 802.11b wireless standard. This wireless standard, on which the security architecture is designed, allows users to communicate and access data with efficient link quality and high-level network security.

With its fantastic design and powerful features built into one compact unit, the ZyAIR B-1000 Wireless LAN Access Point enables you to surf the Internet with complete freedom.

## Benefits

### IEEE 802.11b Compliant and Operating at Unlicensed 2.4GHz Frequency

The ZyAIR B-1000, which is based on the IEEE 802.11b wireless standard, operates at a 2.4GHz frequency and offers users speeds of 11Mbps. Wi-Fi certification ensures that the ZyAIR B-1000 will be interoperable with any 802.11b and Wi-Fi compliant wireless device.

### High Level of Network Access Security Based on IEEE 802.1x and RADIUS Client

The ZyAIR B-1000 security architecture is based on the IEEE 802.1x standard for wireless networks. IEEE 802.1x, Port-Based Network Access Control, is based on Extensible Authentication Protocol services that provide centralized, user-based authentication and single-user, single-session encryption keys for hassle-free security administration and user-based privacy.

### User-friendly Installation and Configuration

With the ZyAIR B-1000's easy-to-use installation procedure, experts are no longer needed to pull cables through walls and ceilings, therefore saving you time and money. Furthermore, the Web-based configurator allows you to easily install and manage your device in ways you never thought possible.

### Scalable and Easy to Deploy

A wireless network served by the ZyAIR B-1000 may be easily expanded with the addition of more access points. Such network expansion allows for seamless integration into a wired network, thus increasing mobility to an intranet and Internet without restricting workspace freedom, or sacrificing network performance. Moreover, the use of a ZyAIR B-1000 eliminates the costs normally associated with network cabling.

### Seamless Link Quality Around Home and Business Office

The ZyAIR B-1000's variable, high-powered antenna provides seamless roaming throughout your wireless LAN infrastructure and allows you to share network resources and equipment with high link quality. You can simply take your laptop and enjoy network access anywhere at anytime.

## Features

### Standard Compliance

- IEEE 802.3 and 802.3u 10Based-T and 100Based-TX
- IEEE 802.11b specification compliance

### Network Management

- Web-based Configurator
- TFTP/FTP for firmware upgrade/backup
- SNMP Support
- Command-line interface

### IP Management

- DHCP Relay
- IPSec, PPTP and L2TP pass through support

### Security

- MAC address filtering through wireless LAN
- IEEE 802.1x Port-Based Authentication with RADIUS Client

### Diagnostics Capabilities

- Router self-diagnostic
- Syslog
- Errorlog
- Trace Log
- Packet Log

**ZyXEL**  
TOTAL INTERNET ACCESS SOLUTION

# ZyAIR B-1000 Wireless LAN Access Point

## Specifications

### Hardware Specification

- Power : 12VDC @ 1A Max
- Ethernet : 10/100Mbps Ethernet with auto MDI/MDIX
- Reset Button

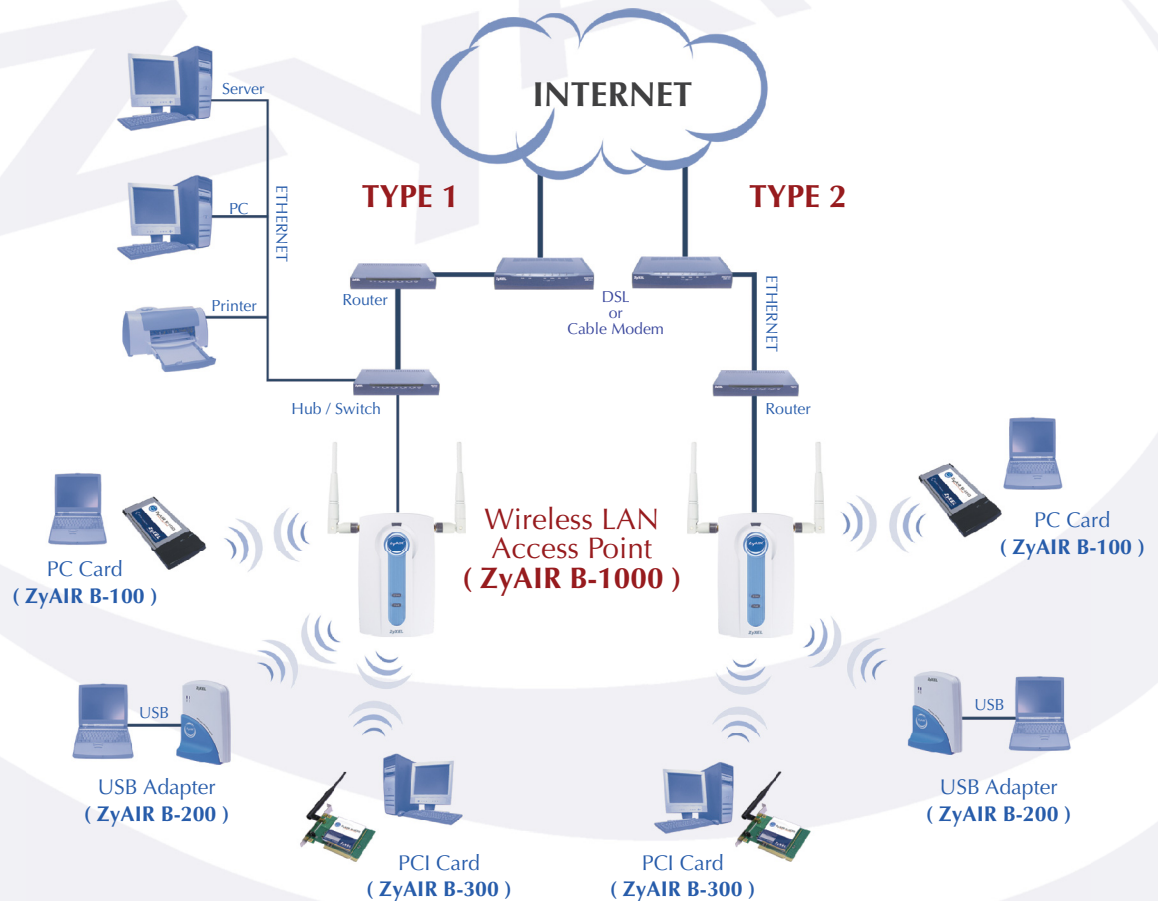
### Operation Environment

- Operating Temperature : 0 to 55°C
- Storage Temperature : -20 to 55°C
- Operating Humidity : 10 to 90%

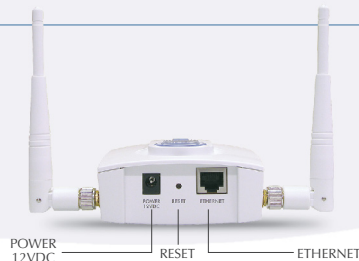
### Physical Specification

- Dimensions : 153(L) x 92(D) x 45(H) mm
- Net Weight : 300g

## Application Diagram



## Connectors



**ZyXEL**  
TOTAL INTERNET ACCESS SOLUTION



**Corporate Headquarters**  
ZyXEL Communications Co.  
Tel: +886-3-578-3942  
Fax: +886-3-578-2439  
Email: sales@zyxel.com.tw  
http://www.zyxel.com  
http://www.zyxel.com.tw

**North America**  
ZyXEL Communications Inc.  
Tel: +1-714-632-0882  
Fax: +1-714-632-0858  
Email: sales@zyxel.com  
http://www.zyxel.com

**Germany**  
ZyXEL Deutschland GmbH.  
Tel: +49 2405 6909 0  
Fax: +49 2405 6909 99  
Email: sales@zyxel.de  
http://www.zyxel.de

**Denmark**  
ZyXEL Communications A/S  
Tel: +45 39 55 07 00  
Fax: +45 39 55 07 07  
Email: sales@zyxel.dk  
http://www.zyxel.dk

**Norway**  
ZyXEL Communications A/S  
Tel: +47 22 80 61 80  
Fax: +47 22 80 61 81  
Email: sales@zyxel.no  
http://www.zyxel.no

**Sweden**  
ZyXEL Communications A/S  
Tel: +46 (0) 31 744 3810  
Fax: +46 (0) 31 744 3811  
Email: sales@zyxel.se  
http://www.zyxel.se