ZyAIR™ B-2000
Wireless LAN Gateway with 4-port Switch

The ZyAIR B-2000 is the ideal networking solution for home and small businesses, providing wireless access to computer networks with high-speed broadband Internet connection. With the combination of Access Point and a 10/100 Mbps 4-port switch, your wireless network can be extended without an additional hub or switch. The built-in NAT and DHCP functions enable multiple users to share one public IP address, maximizing network efficiency while minimizing network investment and maintenance costs.

Based on the IEEE 802.1x authentication framework, the ZyAIR B-2000 provides your network with solid security, protecting your data while simultaneously preventing hackers from accessing your wireless LAN. IEEE 802.11b compliance and Wi-Fi certification ensures that the ZyAIR B-2000 will be interoperable with any 802.11b and Wi-Fi compliant wireless device.

With its fantastic design and powerful features in one compact unit, the ZyAIR B-2000 wireless LAN gateway provides a high quality, comprehensive networking solution that allows efficient, secure, and reliable communication.

Benefits

Extended Ethernet Network
The ZyAIR B-2000 can be a gateway to your Local Area Network and high-speed Internet access. Moreover, it can also extend your Ethernet network in your home or office, allowing you to share and extend your Cable/DSL connection anywhere, without the extra time or expense needed for Ethernet cabling.

High Level of Network Access Security Based on IEEE 802.1x and RADIUS Client
The ZyAIR B-2000 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. In addition, MAC address filtering allows the network manager to maintain a user name list in order to identify who can access the network through the wireless LAN.

User-friendly Installation and Configuration
With an auto-run, Easy Setup Wizard, installation is quick and simple. Consequently, networking experts are not needed to pull cables through the walls and ceilings of your home or office, thus saving time and money. Additionally, the Web-based configurator allows you to easily configure and manage your device in ways you never thought possible.

All-in-One Solution
The ZyAIR B-2000 integrates an Access Point, 4-port switch, and NAT router, as well as a variable antenna into one compact unit. Moreover, the ZyAIR B-2000 also allows a multiple-user connection to the Internet, using a single purchased IP address with Network Address Translation (NAT) and Dynamic Host Configuration Protocol (DHCP) functionalities.

High-gain Design Provides Seamless Link Quality
The ZyAIR B-2000's high-gain design provides excellent link quality and longer reach distance throughout your wireless LAN infrastructure, and allows users to share network resources. A high-quality wireless connection is still available even under a disturbed environment. With the ZyAIR B-2000, you can truly take your laptop anywhere in the vicinity of your home or office, and enjoy network access at anytime.

Best Price Performance
The ZyAIR B-2000 offers you the features and qualities of an enterprise-class wireless gateway, while maintaining a competitive price. You can now benefit from high-quality wireless networking access with a minimal investment.

ZyXEL
TOTAL INTERNET ACCESS SOLUTION

Features

Standard Compliance
- IEEE 802.3 and 802.3u 10Based-T and 100Based-TX
- IEEE 802.11b standard compliant

ISP Authentication
- PPPoE
- PPTP Client

Network Management
- Web-based Configurator
- TFTP/FTP for firmware upgrade, backup, and restore
- SNMP Support
- Command-line interface
- Console port management

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

Call Control
- Call Scheduling
- Budget Management

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

Routing Support
- IP Routing : TCP, UDP, ICMP, ARP, RIPv1 and RIPv2
- Programmable Static Route
- IP Multicast
- IP Alias

IP Management
- DHCP Client/Server
- Single User Account/NAT
- IPSec, PPTP and L2TP pass through support

Application
- DNS Proxy
- Dynamic DNS

Specifications

Hardware Specification
- Power : 12VDC @ 1A Max
- WAN : 10/100Mbps Ethernet with auto MDI/MDIX
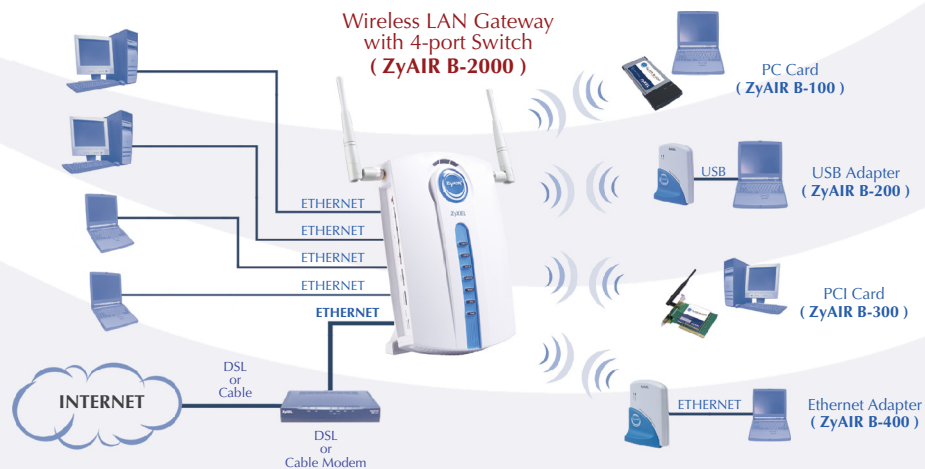- LAN : 4-port 10/100Mbps Ethernet with auto MDI/MDIX
- Reset Button

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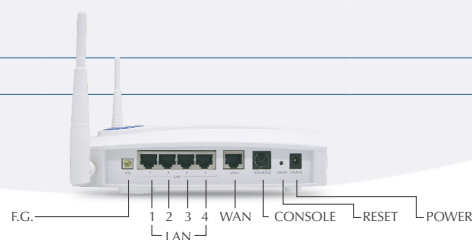- Operating Humidity : 10 to 90%

Physical Specification
- Dimensions : 212.64(L) x 138.56(D) x 51.79(H) mm
- Net Weight : 553g

Application Diagram

Wireless LAN Gateway
with 4-port Switch
(ZyAIR B-2000)

PC Card
(ZyAIR B-100)

USB Adapter
(ZyAIR B-200)

PCI Card
(ZyAIR B-300)

Ethernet Adapter
(ZyAIR B-400)

ETHERNET
ETHERNET
ETHERNET
ETHERNET
ETHERNET

USB

ETHERNET

INTERNET

DSL or Cable

DSL or Cable Modem

Connectors

F.G. — 1 2 3 4 — WAN — CONSOLE — RESET — POWER
LAN

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