ZyAIR™ B-2000 v.2
Secure Wireless LAN Gateway
with 4-port Switch

The ZyAIR B-2000 v.2 wireless LAN router delivers a highly secure, reliable, and easy-to-use wireless LAN solution for residential and business applications. A 10/100 Mbps 4-port switch, wireless Access Point, and Network Address Translation (NAT) ensure maximum network efficiency and minimal investment and maintenance costs.

Integrated firewall protection ensures the ZyAIR B-2000 v.2 provides all networks with solid security. The ZyAIR B-2000 v.2 protects data while simultaneously preventing hackers from accessing the wireless LAN. Standard features include powerful security mechanisms such as IEEE 802.1x user authentication and Wi-Fi Protected Access (WPA), which allow users to communicate and access data with efficient link quality and high-level network security.

With its fantastic design and powerful features integrated into one compact unit, the ZyAIR B-2000 v.2 wireless LAN gateway provides a high-quality, secure and comprehensive networking solution that allows efficient and reliable communication.

Benefits

All-in-One Solution
The ZyAIR B-2000 v.2 integrates a wireless Access Point, 4-port 10/100Mbps switch, NAT router, and a variable antenna into one compact unit. Moreover, the ZyAIR B-2000 v.2 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 Level of Network Security Based on WPA* and IEEE 802.1x
The ZyAIR B-2000 v.2 security architecture is based on Wi-Fi Protected Access (WPA) and IEEE 802.1x authentication standard for wireless networks. WPA is a complete security solution comprised of TKIP encryption mechanism and IEEE 802.1x-based authentication.

User-friendly Installation & Configuration
The ZyAIR B-2000 v.2's easy-to-use installation guide and intuitive web-based configuration tools allow users to launch a network in minute. The ZyAIR B-2000 v.2 is powerful enough to satisfy the most demanding network operator while remaining simple enough for a non-technical user to deploy. Users immediately benefit from the ZyAIR B-2000 v.2 by avoiding costs associated with deploying Ethernet cables in walls and ceilings.

Secured Firewall Protection
Based on Stateful Packet Inspection, Denial of Service (DoS) and Attack Alert, the ZyAIR B-2000 v.2 provides the first line of defense against hackers, network intruders, and other hazardous threats.

Seamless Link Quality Around Home and Business Office
The ZyAIR B-2000 v.2's variable, high-powered antennas provide seamless coverage throughout a wireless LAN infrastructure and allow users to share network resources and equipments with high link quality. Network access can be enjoyed anytime and anywhere.

Best Price Performance
The ZyAIR B-2000 v.2 is a powerful product that offers the features and qualities of an enterprise-class wireless gateway, while maintaining a competitive price. Users can now benefit from high-quality wireless networking with a minimal investment.

_ for future release_

ZyXEL
Unleash Networking Power

Features & Specifications

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

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

Security
- Wi-Fi Protected Access*
- IP Protocol Filter
- MAC address filtering through wireless LAN
- IEEE 802.1x Authentication with RADIUS Client
- Dynamic WEP key exchange
- 256-bit WEP*
- Control of number of users allowed access
- SSL pass-through*

Application
- DNS Proxy
- Dynamic DNS

Call Control
- Call Scheduling
- Budget Management

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

Transmit Output Power
- 17 ~ 18.5dBm

Receiver Sensitivity
- -84dBm @11Mbps
- -86dBm @5.5Mbps
- -87dBm @2Mbps
- -87dBm @1Mbps

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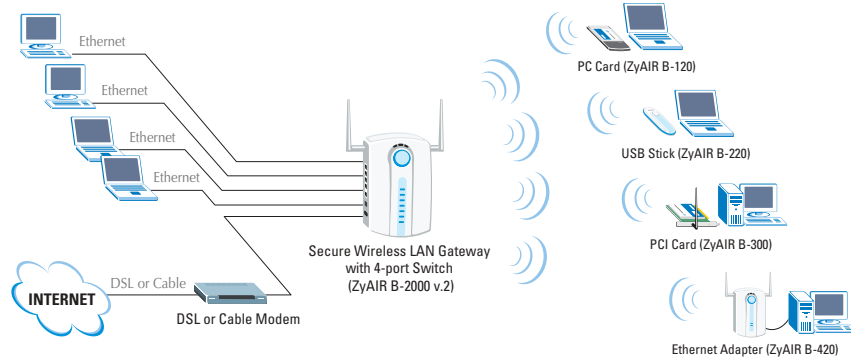- Reset Button

Operation Environment
- Operating Temperature: 0 ~ 55ºC
- Storage Temperature: -20 ~ 55ºC
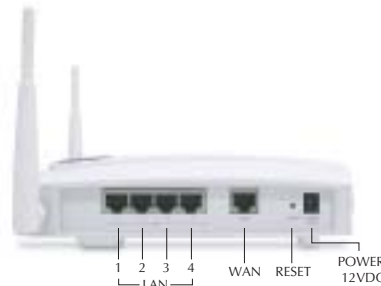- Operating Humidity: 10 ~ 90%

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

future feature

Application Diagram

Ethernet
Ethernet
Ethernet
Ethernet

PC Card (ZyAIR B-120)
USB Stick (ZyAIR B-220)
PCI Card (ZyAIR B-300)
Ethernet Adapter (ZyAIR B-420)

Secure Wireless LAN Gateway with 4-port Switch (ZyAIR B-2000 v.2)

INTERNET
DSL or Cable
DSL or Cable Modem

Connectors

1 2 3 4   WAN   RESET   POWER 12VDC
— LAN —

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FC CE