

ZyAIR™ B-1000 v.2

Secure Wireless LAN Access Point



The ZyAIR B-1000 v.2 Wireless LAN Access Point delivers a highly secure, reliable, and easy-to-use wireless LAN solution for residential and business applications. 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. Additionally, Wi-Fi certification ensures interoperability between the ZyAIR B-1000 v.2 and any Wi-Fi 11b compliant wireless devices.

By using the built-in Web-based configurator, users can easily integrate the ZyAIR B-1000 v.2 wireless connection into the existing wired network for a wide range of flexibility and movement.

A fantastic design, powerful features, and cost-effectiveness make the ZyAIR B-1000 v.2 secure wireless LAN access point the perfect accessory for networks requiring freedom and flexibility, without sacrificing protection and value.

B e n e f i t s

IEEE 802.11b Compliance and Operating at Unlicensed 2.4GHz Frequency

The ZyAIR B-1000 v.2, which is based on IEEE 802.11b wireless standard, operates at 2.4GHz frequency. Wi-Fi certification ensures that the ZyAIR B-1000 v.2 will interoperate with any Wi-Fi 11b compliant wireless device.

High-level Network Security Based on WPA* and IEEE 802.1x

The ZyAIR B-1000 v.2 security architecture is based on Wi-Fi Protected Access (WPA) and IEEE 802.1x user authentication standard for wireless networks. The WPA is a complete security solution comprised of TKIP encryption mechanism and IEEE 802.1x-based user authentication.

Interference Resistant Coverage

To avoid signal interference resulting from multiple access points in the same area, the wireless RF output power can be configured to modify the wireless coverage range, thus minimizing interference problems.

User-friendly Installation and Configuration

With the ZyAIR B-1000 v.2's easy-to-use installation procedure, experts are no longer needed to pull cables through walls and ceilings, therefore minimizing the initial installation investment. Additionally, the Web-based configurator allows users to install and manage the device with unforeseen ease.

Scalable and Easy to Deploy

A wireless network served by the ZyAIR B-1000 v.2 may be easily extended 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.

Seamless Link Quality Around Home and Business Office

The ZyAIR B-1000 v.2's variable, high-powered antennas provide seamless coverage throughout your wireless LAN infrastructure and allow users to share network resources and equipments with high link quality. You can simply take your laptop and enjoy network access anytime and anywhere.

** for future release*

Features & Specifications

Standard Compliance

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

Network Management

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

IP Management

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

Security

- Wi-Fi Protected Access*
- IEEE 802.1x Authentication with RADIUS client
- Dynamic WEP key exchange

Security

- Block Intra-BSS traffic
- 256-bit WEP*
- MAC address filtering through wireless LAN
- Control of number of users allowed access
- SSL pass-through*

Diagnostics Capabilities

- Router self-diagnostic
- Syslog
- Errolog
- Trace Log
- Packet Log
- Central Log

Transmit Output Power

- 17 ~ 18.5dBm

Receiver Sensitivity

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

Hardware Specification

- Power: 12VDC @1.2A Max
- Ethernet: 10/100Mbps Ethernet with auto MDI/MDIX
- Reset Button

Operation Environment

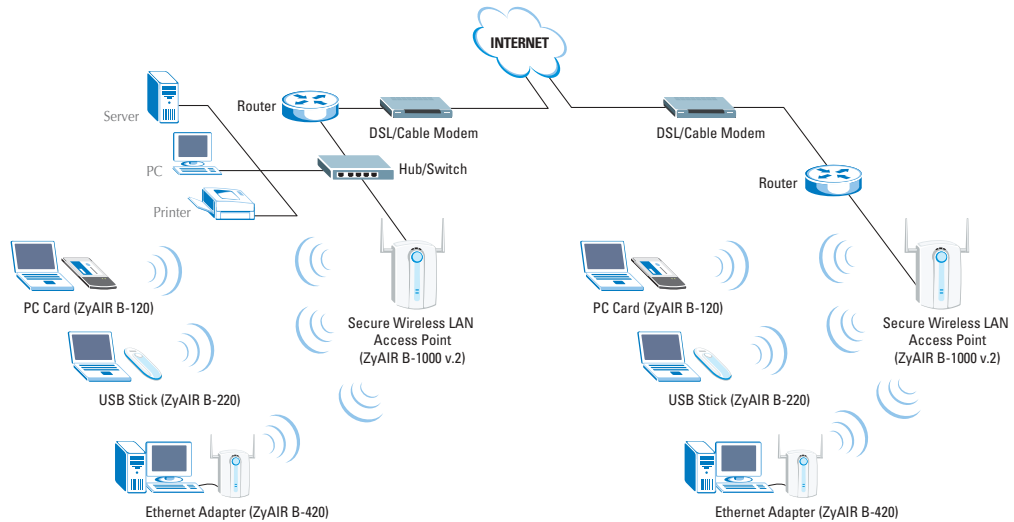
- Operating Temperature: 0 ~ 55°C
- Storage Temperature: -20 ~ 55°C
- Operating Humidity: 10 ~ 90%

Physical Specification

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

* future feature

Application Diagram



Connectors



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