ZyAIR™ B-4000
Wireless LAN Hot Spot Gateway

The ZyAIR B-4000 Wireless LAN Service Gateway is a Wi-Fi solution for establishing Hot Spot networks. Integrated billing and receipt printing capabilities make the ZyAIR B-4000 suitable for businesses and public areas such as coffee shops, bookstores, libraries and airport terminals who cater to customers seeking Wi-Fi Internet access. By hosting a wireless broadband hotspot, businesses can attract new customers and charge for access as a way of defraying monthly Internet access costs.

The ZyAIR B-4000 combines a wireless LAN access point, 4-port switch, NAT router and service gateway in a single box. No PC is needed for operation. A compact, one-button thermal printer connects directly to the gateway, allowing clerks and cashiers to easily print receipts with billing information as well as user name and password. No back-end system integration is needed which makes launching and operating a hot spot easier than ever!

Benefits

All-in-One Hot Spot Solution
Unlike standard wireless LAN devices, the ZyAIR B-4000 is a wireless LAN gateway suitable for Hot Spot deployment. Captive portal functionality and a built-in 4-port switch router make the ZyAIR B-4000 a product with an unprecedented feature set perfect for Hot Spot service.

True Plug & Play Operation for a Hassle-free Customer Experience
The ZyAIR B-4000 automatically configures the correct IP address for Internet access, regardless of a user's computer settings. The built-in technology recognizes new users on the network and accommodates all IP configurations, such as DHCP, Private IP or Static IP, without altering the settings. Customers and users are not faced with the inconvenience of IP reconfiguration normally associated with accessing a new or different network.

Built-in Authentication Server
A built-in authentication server allows administrators to manage subscriber access with login names and passwords.

Easy to Use and Manage
The ZyAIR B-4000 features an easy-to-use Web-based management interface. The operating system-independent interface allows operators to set user access privileges in increments of time such as minutes, days, or even months. The time increments, along with billing and other user information are conveniently printed on the button-operated printer included with the ZyAIR B-4000. Time increments may be compiled simply by pressing the printer button multiple times. No computers or complex back-end subscriber management systems are required for deployment.

Comprehensive Security Features
The ZyAIR B-4000 features exclusive Layer 2 isolation capabilities, which prevents users from seeing each other's traffic. Built-in SSL login provides robust authentication protection. Users can surf the Internet worry-free.

Additional Revenue Opportunities
The ZyAIR B-4000, which offers homepage redirection, walled garden, and multiple URL link redirections, allow operators to push advertising content to users as part of the wireless service. When customers and users launch a Web-browser, the built-in captive portal feature automatically directs the customer to the secure login page. Once a user name and password are entered, the user is authenticated and can securely surf the Internet.

ZyXEL
Unleash Networking Power

Features & Specifications

Standard Compliance
- IEEE 802.3 10BaseT Ethernet
- IEEE 802.3u 100BaseTX Fast Ethernet
- IEEE 802.11b Wireless LAN
- ANSI/IEEE 802.3 NWay auto-negotiation

Wireless Operation
- Range: Open Space: 100 ~ 300m; Indoors: 35 ~ 100m
- Data rate: 11/5.5/2/1Mbps with fallback
- Encryption: 64/128/256-bit RC4

Powerful Networking Functions
- NAT (RFC 1631)
- DNS Redirection
- Static IP WAN connection
- DHCP Client WAN connection
- PPPoE WAN connection
- PPTP Client WAN connection
- DHCP Server and DHCP Relay
- Transparent HTTP Proxy Support

User Accounting and Authentication
- Login-page-based Authentication
- User Authentication and Accounting
- Logout Window Timer Control

Robust Security
- Layer 2 isolation Security for Wireless and Wired networks
- Secure HTML Login Page (SSL)
- VPN (IPSec/PPTP/L2TP) Pass through

LED Indicators
- Power
- Link/Activity
- Four LAN Link/Activity LEDs
- Wireless Link/Activity
- Status

Dimensions
- Size for ZyAIR B-4000 190 (L) x 152 (D) x 38 (H)mm
- Weight: 1.2kg

Operating Environment
- Temperature: 0 ~ 45ºC (32 ~113ºF)
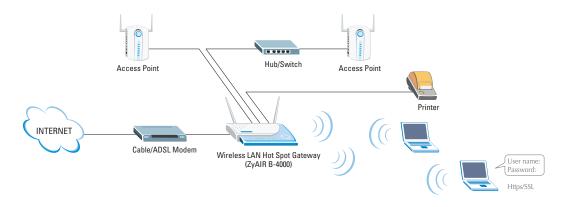- Humidity: 10 ~ 95% (non-condensing)

Printer

Features
- One button operation to generate account information and print customer receipt
- Easy opening and paper loading
- Compact and lightweight
- High speed printing: 3″ per sec
- High Resolution: 203 dpi, 8 dots per mm

Hardware Specifications
- Direct thermal printer
- Print width: 2″
- Paper width: 2.25″
- Interface: RS-232

Application Diagram

Access Point   Hub/Switch   Access Point   Printer

INTERNET   Cable/ADSL Modem   Wireless LAN Hot Spot Gateway (ZyAIR B-4000)

User name:
Password:
Https/SSL

Connectors

ONE-CLICK PRINTER   WAN   4 3 2 1   LAN   POWER 12VDC

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