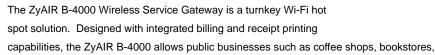
ZyAIR B-4000

Hot Spot in a Box Wireless Service Gateway



libraries and airport terminals to cater to customers seeking Wi-Fi Internet access. By sharing a valuable

broadband connection, businesses can attract new customers and charge for access as a way of defraying monthly Internet access

The ZyAIR B-4000 combines an 802.11b wireless access point, router, 4-port switch, and wireless service gateway all in a single small-footprint box. No PC is needed - a one-button compact portable thermal printer connects directly to the gateway, allowing clerks and cashiers to easily print receipts with billing and password information. Even better - no back-end system integration is needed. Launching and operating a hot spot has never been easier!

Benefits

All-in-one turnkey wireless product

Unlike standard wireless transmitters, the ZyAIR B-4000 is a wireless access point with captive portal functionality, and a built-in router with 4 port switch - an unprecedented feature set offering turn-key hot spot service gateway functionality.

True Plug & Play Operation for a Hassle-Free Customer Experience

Before a user can access the Internet, they need to have a valid IP address on their computer. An IP address is like a ticket to travel onto the Internet. Unfortunately, accommodating the variety of IP settings used on today's business and personal computers can be one of the biggest obstacles to a seamless customer wireless experience. Not so with the ZyAIR B-4000. The device automatically configures the correct IP address, regardless of the customer's computer settings. The built-in intelligence recognizes new users on the network and accommodates all IP configurations, such as DHCP, Private IP or Static IP, without altering the settings. The process is seamless to the customer.

After a transaction, the clerk or store operator pushes the printer button to generate a user name and password. When the customer launches their browser, the built-in captive portal feature automatically directs the customer to the secure login page. After entering the user name and password, the customer is authenticated and can securely surf the Internet.

Built-in Authentication Server

The ZyAIR B-4000 has a built-in authentication server allowing 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 that is operating system-independent. Operators can set user access times in increments of minutes, days or even months. The unit comes with a handy compact printer, with one-touch operation to generate account information and billing receipts. Time increments can be easily added by pressing the printer button multiple times. No computers or complex back end subscriber management systems are required.

Comprehensive Security Features

The ZyAIR B-4000 features exclusive Layer 2 isolation capabilities, preventing 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 offers homepage redirection, walled garden and multiple URL link redirection, allowing operators to push advertising content to the users as part of the wireless service.

Features & Specifications

Standards Compliance

IEE802.3 10BaseT Ethernet IEE802.3u 100BaseTX Fast Ethernet IEE802.11b Wireless LAN

ANSI/IEEE 802.3 NWay auto-negotiation

Wi-Fi Certified

Wireless Operation

Range: Open Space: 100~300m; Indoors: 35~100m

Data rate: 11 / 5.5 / 2 / 1 Mbps 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

Easy to use for end users and network

administrators

True plug and play - Zero End-User Configuration Built-in Web server for management Easy Admin Setup with http://1.2.3.4

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

Physical Interface

WAN: One 10/100Base-T Ethernet LAN: Four 10/100Base-T Ethernet

2dBi (Max) Dual detachable diversity antennas with reverse

polarity SMA connectors Power: 5V@ 2A Max Wall-mounting option

LED Indicators

Power Link/Activity

Four LAN Link/Activity LEDs Wireless Link/Activity

Status

Dimensions

Size:

ZSG-100W: 6"(D) with antennas x 7.5"(W) x 1.5"(H)

Printer: 6"(D) x 3.5"(W) x 4.5"(H)

Weight:

ZSG-100W: 1lb Printer: 1lb, 5.0 oz

Operating Environment

Temperature: 0°C~45°C (32°F~113°F) Humidity: 10%~95% (non-condensing) Printer - Account Generator **Specifications**

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



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

North America Headquarters **ZyXEL Communications, Inc.** Tel: +1-714-632-0882 Fax: +1-714-632-0858

Email: sales@zyxel.com support@zyxel.com http://www.zyxel.com

Denmark / Nordic Headquarters
ZyXEL Communications A/S
Tel: +45 39 55 07 00

Fax: +45 39 55 07 07 Email: sales@zyxel.dk support@zyxel.dk http://www.zyxel.dk

Germany ZyXEL Deutschland GmbH.Tel: +49 2405 6909-0
Fax: +49 2405 6909-99

Email: sales@zyxel.de support@zyxel.de http://www.zyxel.de







ZyXEL Communications Services GmbH. Tel: +43-1-494 86 77-0 Fax: +43-1-494 86 78 Email: sales@zyxel.at

support@zyxel.at http://www.zyxel.at

Malaysia ZyXEL Communications Co. (M) Sdn Bhd Tel: 603-795-44-688 Fax: 603-795-34-407 Email: sales@zyxel.com.my support@zyxel.com.my http://www.zyxel.com.my