ZyAIR Public/Commercial Hotspot

Presented by:
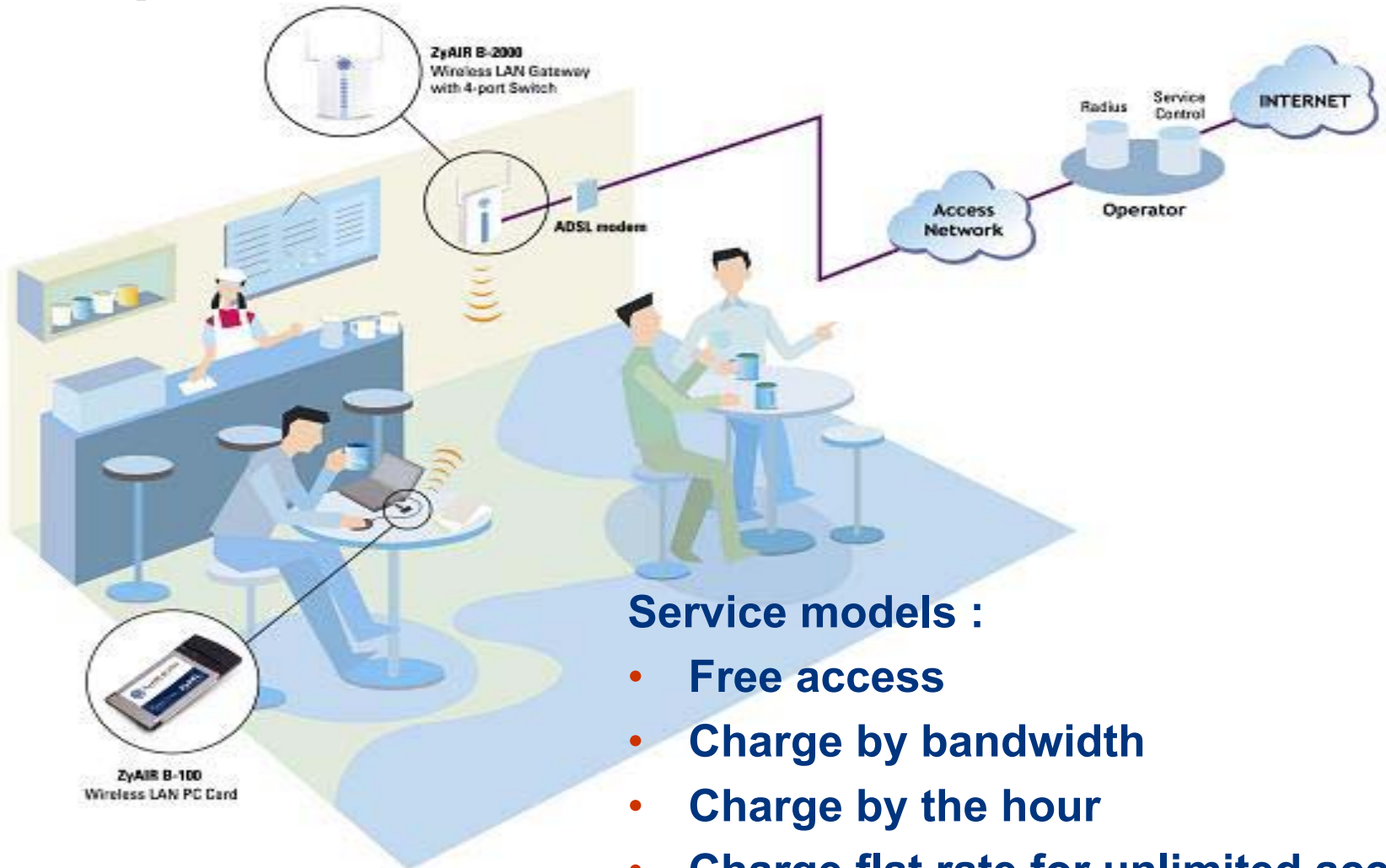
John Castreje
ZyXEL Communications, Inc.

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Hotspot Opportunities

Wireless public networks enable people on the go to stay connected in "hot spots" such as airports, hotels, coffee shops, etc.

Hot Spot Public Network

Service models :

- **Free access**
- **Charge by bandwidth**
- **Charge by the hour**
- **Charge flat rate for unlimited access**

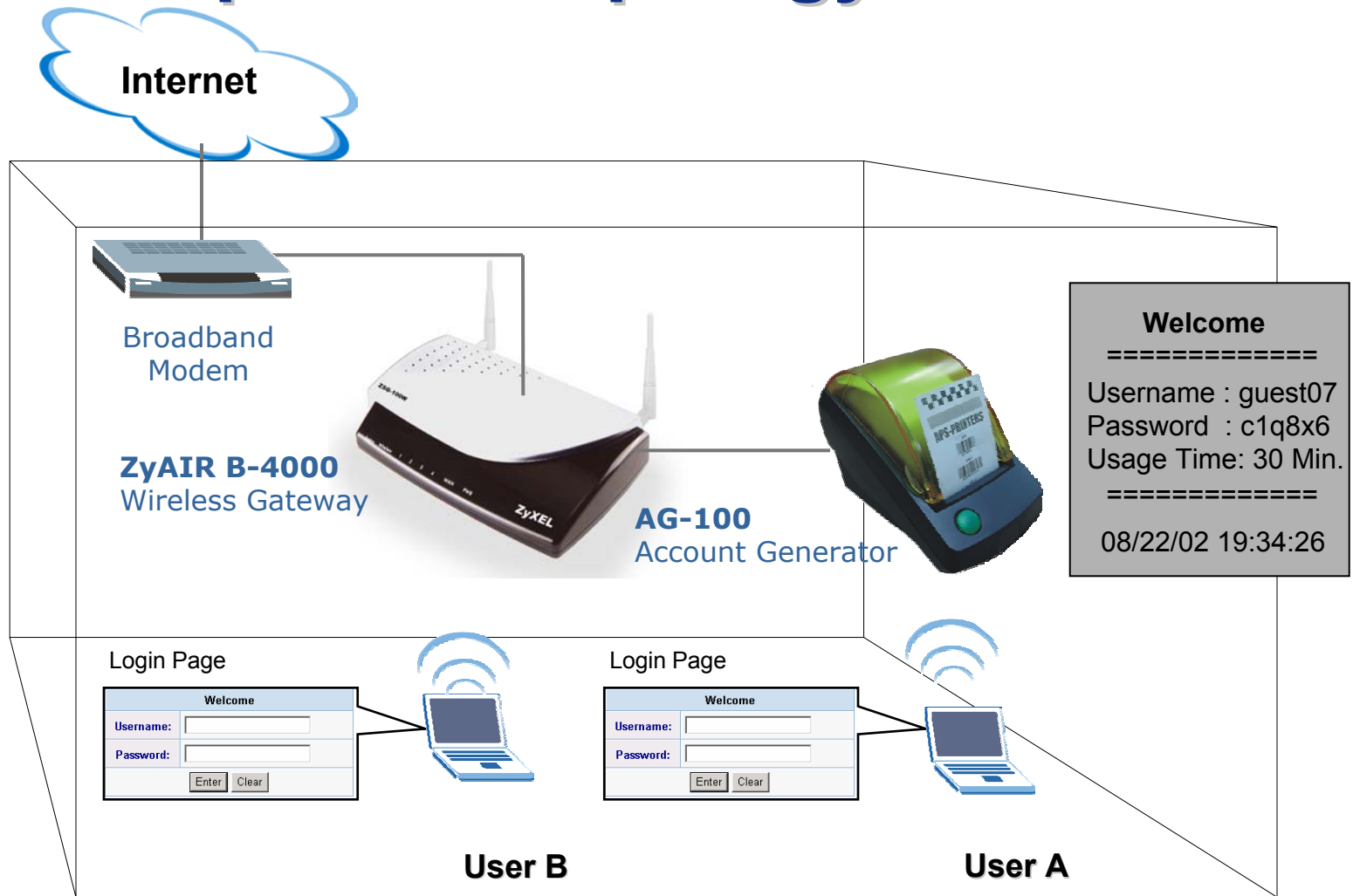# Building a HOT SPOT business

Equipment:

- One WAN Modem
- One Service Gateway + one Printer
- One Wireless Access Point
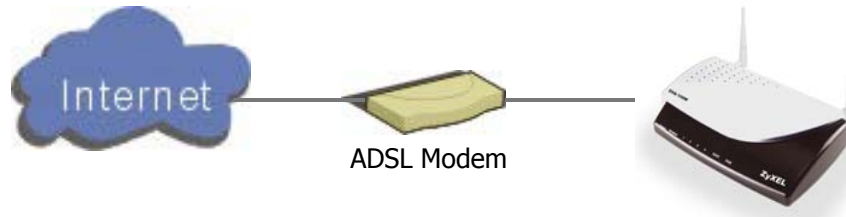- Wireless NIC cards or Wireless Ethernet Adapters

Applications:

- Coffee Shop / Hotel's Public Areas / Hotel's VIP Room / Bookstore / Library / Trade Center / Airport

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EZ Hotspot Kit Topology

PnP Internet Access with "Zero Configuration"

Internet — ADSL Modem — **B-4000** Wireless Access Controller
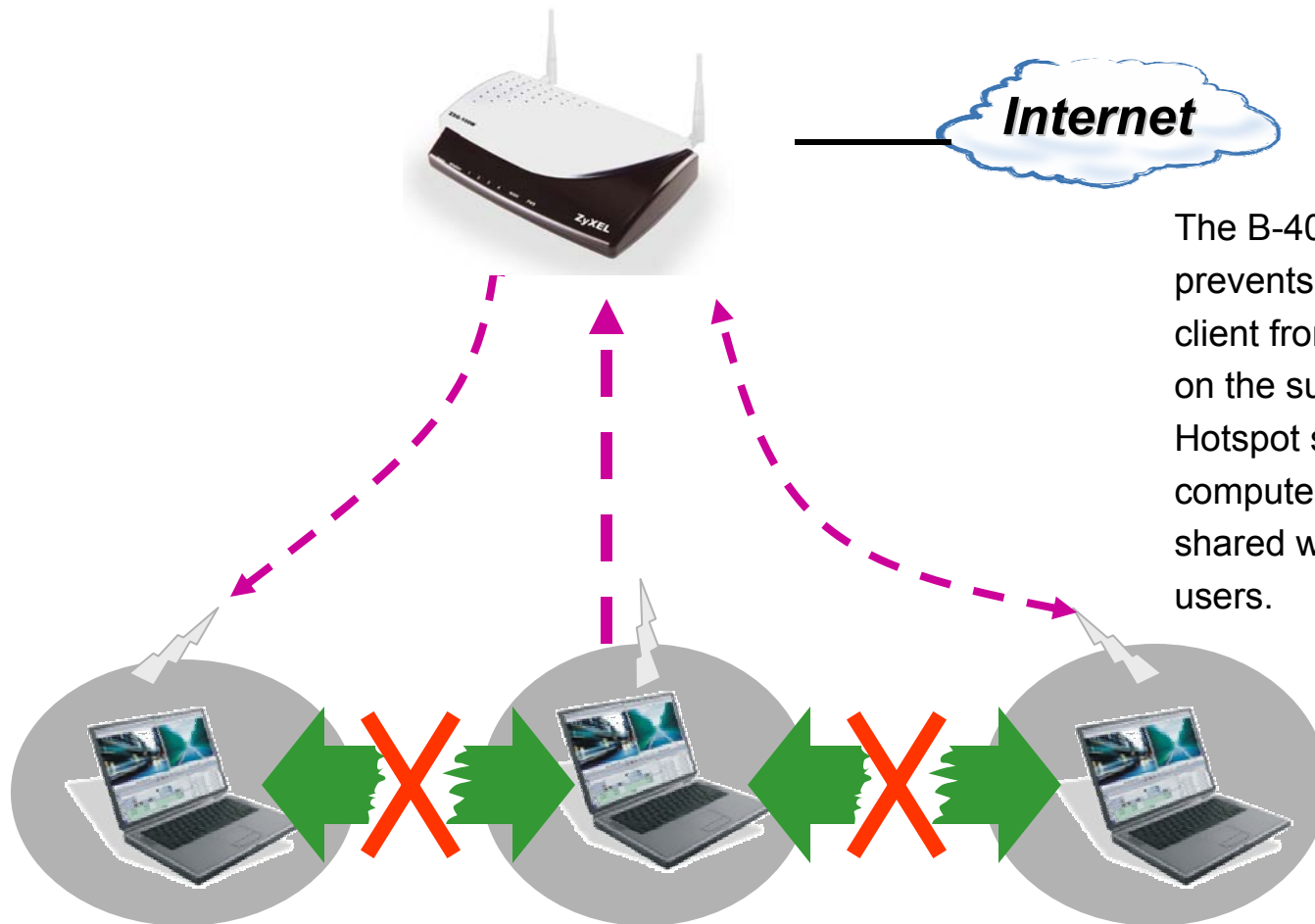
| HTTP Proxy | DHCP Client | Fixed Private IP | Fixed Global IP | Dynamic IP |

Even Subscriber's PCs with static IP address or using Http Proxy to access internet do not need to be re-configured.

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Layer 2 Isolation
for Wireless and Wired Clients

Internet

The B-4000's Layer 2 Isolation prevents wireless or wired LAN client from accessing other PCs on the subnet. This improves Hotspot security by keeping a computer's data from being shared with other un-trusted users.

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Protection from the User's Login Credentials (utilize SSL)
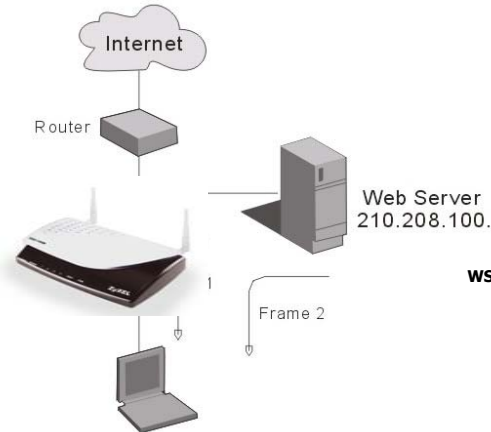
The B-4000 uses SSL to protect username and password while LAN users login. That enables security authentication within the network.

Internet

ADSL Modem

SSID: abc

Username =????????
Password =????????
Wireless Airopeak

SSID: abc

Login Page

Subscriber's Login information is encrypted (utilize SSL).

SSID: abc

SSL Login Page

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Login Page Redirection / Customization

Frame 1

Connected to the Web page which has been specified.

Frame 2

Provided by B-4000 in order to authenticate the username and password

If you are first time user, click here. Sign Up now to enjoy the Internet Service.

If you are first time user, click here. Sign Up now to enjoy the Internet Service.

Architecture 1

Architecture 2

210.208.100.1

http://210.208.100.1/hotel/hilton.htm

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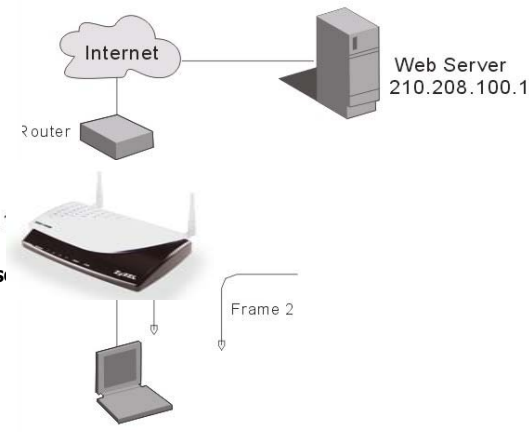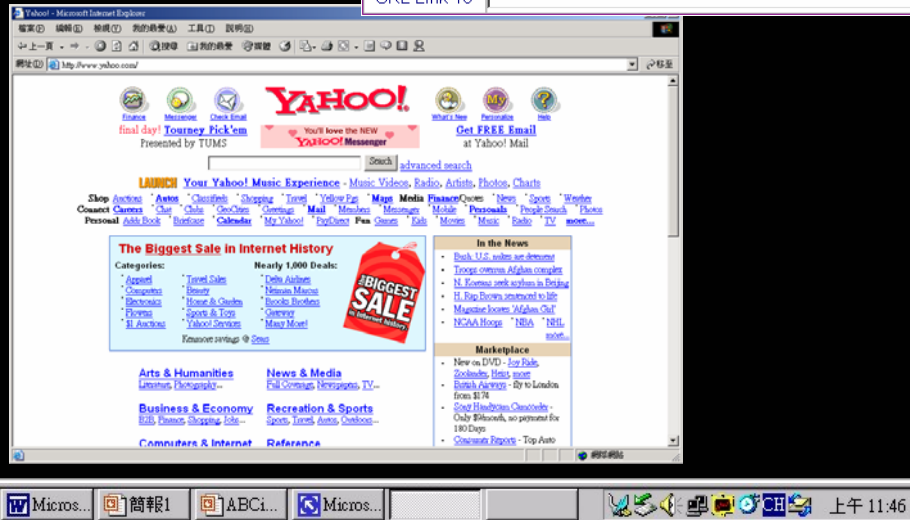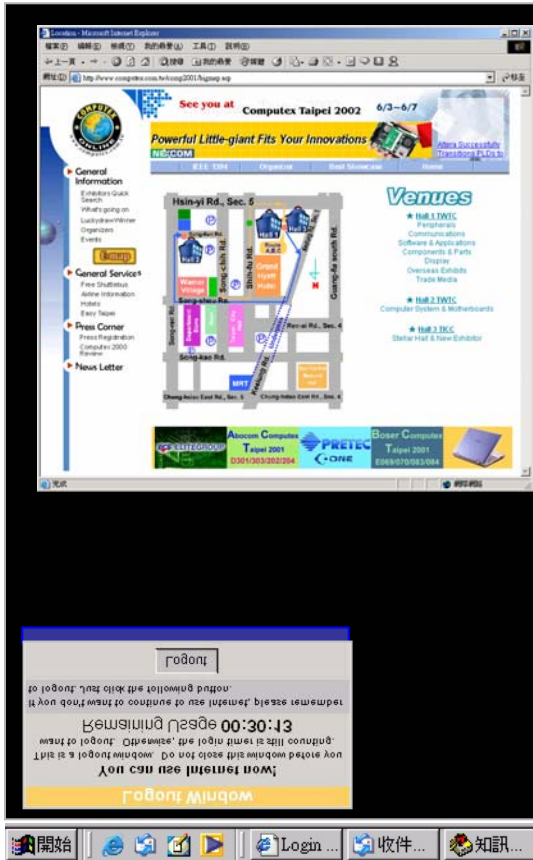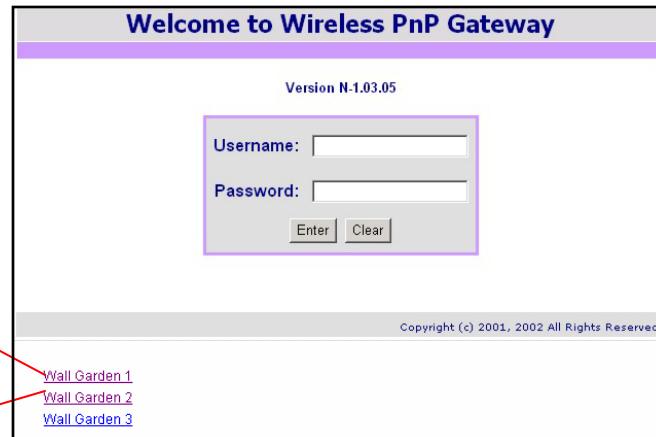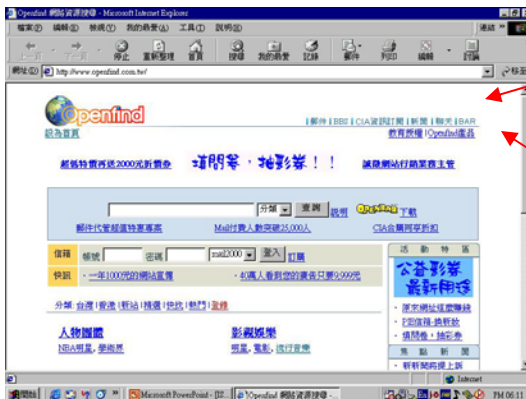
Advertisement Link

Allows Service Providers to input 10 URL links for Advertisement Link purpose. When users login successfully, the B-4000 will re-direct the home page to specified URL link. (Random re-direct)

Walled Garden

Walled Garden allows users to access specified URL without authentication

Deploy Easy Hotspot Kit Easily

Internet

Management Center

ADSL Modem

ADSL Modem

ADSL Modem

ZyAIR B-4000
Hotspot Gateway

ZyAIR B-4000
Hotspot Gateway

ZyAIR B-4000
Hotspot Gateway

Account Generator

Account Generator

Account Generator

Notebook with
Wireless Card

Notebook with
Wireless Card

Notebook with
Wireless Card

Restaurant

Coffee Shop

Campus Library

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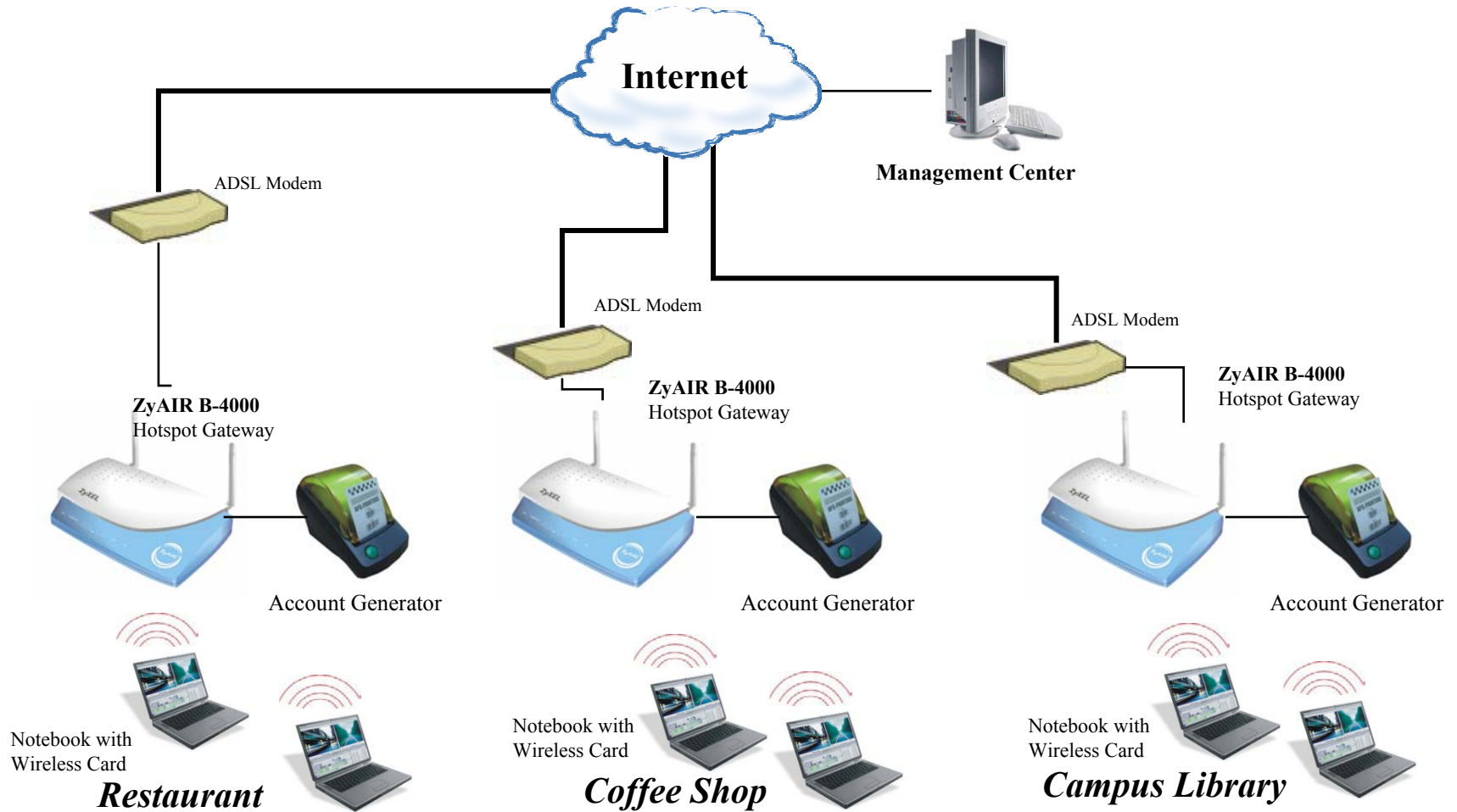
The ZyAIR B-4000

- **Provides integrated solution for rapid deployment**
  - ZyAIR B-4000 simplifies the costly and complicated hot spot deployment process by integrating all the key components into a single, easy-to-install and intelligent device.
- **Delivers instant IP connectivity service**
  - The B-4000 helps solve connectivity problems by offering instant Internet access without changing network settings, even if users have a static IP address pre-set.
- **Simplifies user authentication and accounting**
  - The B-4000 with a local printer can validate customer logins and to monitor usage status. Businesses can enforce usage limits based on predefined quotas.
- **Offers Comprehensive security**
  - With Layer 2 isolation support and an SSL login page, the ZyAIR B-4000 provides a fully-secure operating environment.

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ZyAIR B-4000 : Wireless Service Gateway

- **Service Gateway + Wireless Access Point + 4 port Ethernet switch**
- **True user plug and play device**
  - **DHCP Server/Relay**
  - **DNS Re-direction**
  - **Email Server Re-direction**
- **Customized login and sign up pages**
- **Walled Garden**
- **VPN pass through**
- **SSL login page**
- **VLAN for Wireless and Wired clients**
- **Support 100 users simultaneously**

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