

www.4ipnet.com

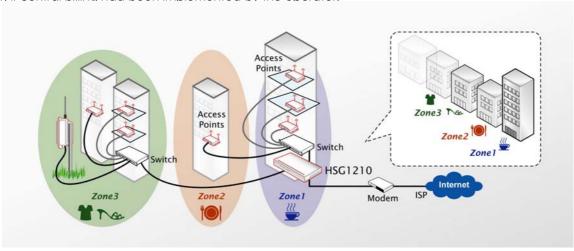
# Wireless Hotspot Gateway HSG1210



The 4ipnet HSG1210 Wireless Hotspot Gateway in 19" rack-mountable chassis is designed to provide an easy-to-use, all-in-one solution for hotspot service providers. A single HSG1210 enables a hotspot provider to service multiple

hot-spot franchises in a mall area through the feature of **Multiple-Service-Zone**. Each service zone can have its own login skin and an independent SSID. HSG1210 is also ideal for hospitality application. For example, a hotel can use the service zone feature to separate the privileges of staff, guest, and VIP usage for accessing Internet.

The HSG1210's built-in on-demand account generation capability is easy to use by cashiers or receptionists. Each guest account is associated to a price and a usage quota, either by time or volume. Moreover, HSG1210 works with the existing RADIUS server, if central billing had been implemented by the operator.



# FEATURES & BENEFITS

# **Easy Installation and Operation**

- Supports various broadband deployment options (T1, DSL, Cable) via static IP, DHCP, PPPoE, and PPTP
- Built-in user database provides sufficient account capacity for different operation scenarios
- · Works with instant account generator to provide user accounts for visitor-based, on-demand operations
- Load balancing and WAN failover enhance bandwidth utilization and provide more reliable Internet connection.

#### **Integrated Security Features**

- Standard-based data encryption and user authentication: SSL, IEEE 802.1X, WPA-RADIUS
- Secure guest and administrator access using web-based login and administration over SSL
- Configurable packet filtering policies enhance data traffic security
- Built-in DoS protection prevents malicious hackers from collapsing the network

#### **Effective User Management**

- Complete authentication mechanism blocks unauthenticated users from gaining access to the network
- Role-based and policy-based control policies enhance the protection against malicious users
- "On-line user list" monitors real-time status of each individual user
- Allows session expiration control for On-demand users by time and data volume

# Flexible Accounting and Billing

- Programmable billing profiles allow operators to customize the billing plans for On-demand users
- Bandwidth control enables class of service for different levels of users and maximize profits
- 4ipnet RADIUS VSA (Vendor Specific Attributes) implementation adds flexibility for accounting and session control
  using RADIUS server
- Detailed per-user traffic history log for analysis and record keeping
- Billing report gives a summary of transaction records for On-demand users



# **Networking**

- > Supports Router, NAT mode
- ➤ Supports static IP, DHCP, PPPoE, PPTP Dial-up
- > Supports IP Plug and Play (IP PnP)
- > Built-in DHCP Server and support for DHCP relay
- > Supports NAT:
  - (1) IP/Port Destination Redirection
  - (2) DMZ Server Mapping
  - (3) Virtual Server Mapping
- Configurable static route
- > Supports email service via designated email server
- > Supports Walled Garden
- ➤ Walled Garden Advertisement List enables advertisement website links on login portal page
- ➤ Supports MAC Address Pass-Through
- ➤ Supports HTTP Proxy
- Supports Ethernet connection to external terminal servers
- Support dual uplinks, outbound load balancing and failover for more reliable Internet connection
- > Support SIP pass-through NAT

#### Security

- Supports security standards: SSL, IEEE 802.1X and WPA-RADIUS
- > Supports VPN Pass-Through (IPSec and PPTP)
- ➤ Built-in DoS attack protection
- > Supports site-to-site VPN tunnel
- > Supports MAC Access Control List
- > Configurable user Black List
- Allows MAC address and user identity binding for local user authentication

#### **Service Zones**

- ➤ The network is divided into maximum 9 Service Zones, each defined by a VLAN tag
- Each service zone has its own (1) login portal page, (2) authentication options, (3) LAN interface IP address, and (4) DHCP address range
- ➤ Each service zone allows access to the selected groups
- > Each service zone assigns a network policy to each user group

# **User Management**

- ➤ Supports 2,000 local accounts
- ➤ Supports 2,000 on-demand accounts
- Simultaneous support for multiple authentication methods (Local and On-demand accounts, POP3, LDAP, RADIUS, NT Domain)
- Policy-based access control (per-role assignments based on Firewall Policies, Routing, Login Schedule, Bandwidth, Quota, and Session)
- User Session Management:
  - (1) SSL protected login portal page
  - (2) Supports multiple logins with one single account
  - (3) Session idle timer
  - (4) Session and account expiration control
  - (5) Notification email to provide a hyperlink to login portal page
  - (6) Supports Single Sign-On for Windows Domain
  - (7) Login time frame control
  - (8) Session limit

# **Accounting and Billing**

- > Provides billing plans for On-demand accounts
- Enables session expiration control for On-demand accounts by time (hour) and data volume (MB)
- Detailed per-user traffic history based on time and data volume for both local and On-demand accounts
- > Traffic history report in an automatic email to administrator
- Supports RADIUS VSA (Vendor Specific Attributes) implementation for traffic accounting and session control
- Supports credit card payment via external payment gateways (Authorize.Net, PayPal, SecurePay, WorldPay)

# **System Administration**

- > Web-based management UI
- Customizable login and logout portal page
- ➤ Support for SNMP v1, v2c
- SSH remote management
- > Remote firmware upgrade
- > NTP time synchronization
- > Menu driven console management interface
- > Utilities to backup and restore the system configuration

#### **Monitoring and Reporting**

- ➤ Online status monitoring of users
- > IP-based monitoring of devices
- > WAN connection failure alert
- Supports external SYSLOG server for diagnosis and troubleshooting
- > Supports user traffic history logging
- > Supports user traffic session (TCP/UDP) logging
- Supports local user monthly usage report

#### **Physical and Power**

- ➤ Power Adapter: 100~240 VAC, 50/60 Hz
- ➤ Form Factor: 19" 1U Rack Mount
- ➤ Dimensions (W x D x H): 16.9" x 6.1" x 1.7"
  - (430 mm x 155 mm x 43 mm)
- ➤ Weight: 3.3 lbs (1.5 kg)

#### **Hardware Specification**

- ➤ WAN Ports: 2 x 10/100BASE-TX RJ-45
- ➤ LAN Ports: 8 x 10/100BASE-TX RJ-45
- ➤ Console Port: 1 x RS-232 DB9
- ➤ LED Indicators: 1 x Power, 1 x Status, 2 x WAN, 8 x LAN

# **Environment**

- ➤ Operating Temperature: 0 ~ 40 °C
- > Storage Temperature: -20 ~ 65 °C

# Certifications

- ➤ CE, FCC
- ➤ RoHS compliant

# **Package Contents**

- ➤ 4ipnet HSG1210 x 1
- > CD-ROM (User's Manual and QIG) x 1
- > Quick Installation Guide (QIG) x 1
- ➤ RS-232 DB9 to RJ-11 Console Cable x 1
- ➤ Ethernet Cable x 1
- ➤ Power Adaptor (12VDC, 1.5A) x 1
- ➤ Rack Mounting Bracket (with Screws) x 1

<sup>\*\*</sup> Specifications subject to change without notice