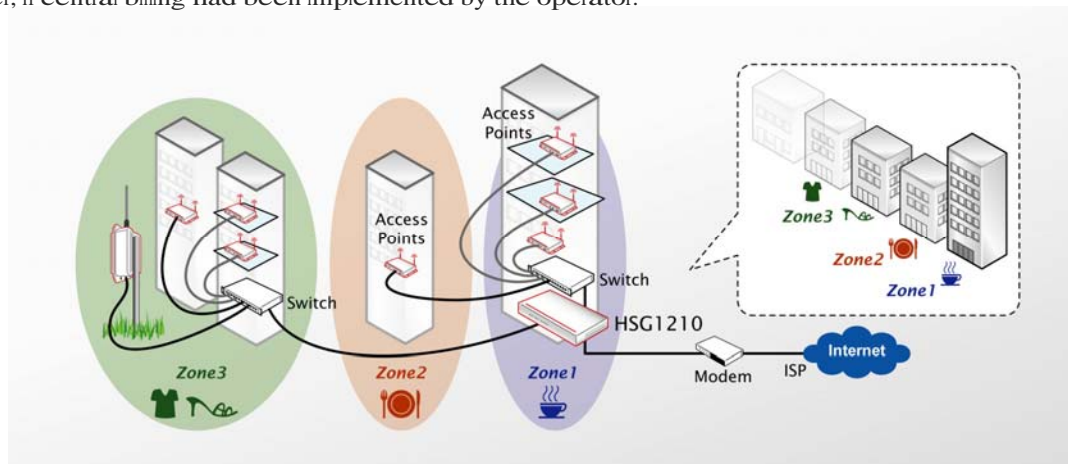




The **4ipnet HSG1210** Wireless Hotspot Gateway in 19" rack-mountable chassis is designed to provide an easy-to-use, all-in-one solution for hotspot service providers. A single HSG1210 enables a hotspot provider to service multiple hot-spot franchises in a mall area through the feature of Multiple-Service-Zone. 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 3,000 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

** Specifications subject to change without notice