4ipnet®

Release Notes

4ipnet HSG1200 Release 2.00.00
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Copyright Notification

Document Version Control

Date	Version No.	Remark
2009/11/19	1.00	Firmware version 2.00.00

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1. Introduction

The **4ipnet HSG1200 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 **HSG1200** 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. **HSG1200** 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 **HSG1200**'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, **HSG1200** 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

2. New Features & Resolved Issues

This firmware release has added and resolved the following issues:

1. Use tabbed style menu and UI support customization
2. Support Net Retriever
3. Support VLAN Port Mapping
4. Enable On-demand Account Creation Privilege
5. Add DoS Attacker Denial Time
6. Add CPU/RAM loading status and syslog
7. NAT UI enhancement, add remark in NAT setup page for reference
8. Support Import/Export On-demand accounts
9. Support On-demand group per user
10. Support On-demand account batch creation
11. Refine billing plans to support more scenarios
    - Duration Time
    - Volume
    - Cut-off
    - Duration-time
12. Support WorldPay payment gateway
13. Support Expired On-demand accounts deletion
14. Support LDAP-over-SSL

3. Installation Procedures

The complete system installation can be configured via the web-based UI. Please refer to the **Quick Installation Guide (**stated in the Related Documents [1]) for the details

4. Upgrade Procedures

Please use the utility "Firmware Upgrade" in the "Utilities" function to upgrade firmware from version 1.00.00 to version 2.00.00. In addition, it is recommended to back up all necessary settings before the upgrade.

System Firmware Upgrade	
Current Version	1.00.00-EN-N
File Name	瀏覽…

Note: Due to database incompatibility, it is required to reset to factory default after successful firmware upgrade.

Reset to the Factory Default
Reset

5. Related Documents

[1] **4ipnet HSG1200 Quick Installation Guide (QIG) 2.00.00**

[2] **4ipnet HSG1200 User's Manual 2.00.00**

6. Remarks

● Please contact support@4ipnet.com for the technical support.