4ipnet®

Release Notes

4ipnet HSG100 Release 2.00.00
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Document Version Control

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1. Introduction

The **4ipnet HSG100 Wireless Hotspot Gateway** with built-in 100 local accounts, 500 on-demand accounts, targeting mini-size stores who want to provide small, single-point wireless Internet access service. HSG100 is a perfect choice for beginners to run hotspot businesses. Feature-packed for hotspot operation, HSG100 comes with **built-in 802.11 b/g access point**, **web server and web pages for clients to login**, **easy logo-loading for branding a hotspot store**, **simple user/visitor account management tool**, **payment plans**, **PayPal credit card gateway**, **traffic logs**, **IP sharing** and etc. HSG100 also brings in an extra advantage - the wall-mountable, dust-proof (**IP50**) metal housing.

FEATURES & BENEFITS

Easy Installation and Operation
- Support various broadband deployment options (T1, DSL, Cable) via static IP, DHCP and PPPoE
- Integrated access point enables Wi-Fi access and eliminates the need for additional device
- Built-in user database provides sufficient account capacity for different operation scenarios
- Work on-demand account generator to provide user accounts for visitor-based, on-demand operations

Integrated Security Features
- Standards-based data encryption and user authentication: WEP, WPA, WPA2, IEEE 802.1X
- 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 enhances the protection against malicious users
- "On-line user list" monitors real-time status of each individual user
- Allow session expiration control for On-demand users by time basis

Flexible Accounting and Easy 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
- Detailed per-user traffic history log for analysis and record keeping

2. New Features & Resolved Issues

This firmware release has added and resolved the following issues:

1. VSA for RADIUS volume type: for volumn-based quota of an external RADIUS server.
2. SNMP v1/v2c
3. Hit Enter Key to Login for clients: clients can press Enter key after entering username and password instead of changing the input interface to mouse
4. On-demand enhancements
   - Have a unique serial number print on the right top corner of the ticket
   - New on-demand Paypal Currency: MXN
   - 3-level management accounts, admin/manager/operator, shall be able to change username and password of the to-be-generated on-demand account, and on-demand clients shall be able to modify their passwords on Login Success page after logging successfully
   - Add an External ID field
   - The maximum quota or time duration from "999hrs 59mins" to "364Days 23hrs 59mins 59secs" even after redeem.
5. Remove "Redirect"
6. Change wording: Monetary Unit → Currency
7. Change wording: Twin Ticket → Number of Tickets [1 or 2]
8. Change wording: Certificate → Certificate_upload
9. Disclaimer Template Page
10. Show System Log on WMI
11. Show WAN traffic statistics on WMI
12. Send Session Log via email and to a ftp server with a folder field
13. On-demand account batch creation
14. WMI UI modification to new style
15. Print out generated on-demand accounts from GW to POS printer
16. LAN can be configured to bridge with public or private
17. Refine billing plans to support more scenarios
    - Usage Time (UT) type since first login
    - Usage Time (UT) type since first login & No expiration
    - Duration Time (DT) type since creation
    - Duration Time (DT) type for an absolute time period
    - Cut-off
18. The role of VAP1 (previous is private wireless interface) can be configured as private or public

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 "System Upgrade" in the "Utilities" function to upgrade firmware from version **1.01.00** to version **2.00.00**. In addition, it is recommended to back up all necessary settings before the upgrade.

Note: The system will restart twice while upgrading. Please select the file for upgrade after first restart. For better maintenance, we strongly recommend you backup system settings before system upgrade.

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

5. Related Documents

[1] **4ipnet HSG100 Quick Installation Guide (QIG) 2.00**

[2] **4ipnet HSG100 User's Manual 2.00**

6. Remarks

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