Release Notes

4ipnet WHG303 Release 2.00.00
Document # 4ipnet_WHG303_2_00_00_01000

Copyright Notification

Document Version Control

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

Table of Contents

1. Introduction

The **4ipnet WHG303 Secure WLAN Controller** is an ideal solution for medium to larger-scale hotspot deployments, such as in hotels, hospitals, convention centers, libraries, airport terminals, and MDUs/MTUs. The **WHG303** integrates **"secure access control"**, **"visitor account provisioning"**, **"flexible accounting and billing"**, and **"high-speed secure wireless connection"** into one box to fulfill the needs demanded by a public wireless network. It also provides advanced functions suitable for larger networks to accommodate more users with multiple APs to cover a wider service area.

FEATURES & BENEFITS

Easy Operation and Reliable Internet Connection
- Various broadband deployment options support (T1, DSL, Cable) via static IP, DHCP, PPPoE, and PPTP.
- On-demand account generation provides user accounts for visitor-based operations.
- Load balancing and WAN failover functions enhance bandwidth utilization with reliable Internet connection.

Powerful Network Security Capabilities
- Standards-based data encryption: WEP, WPA, WPA2, IEEE 802.1X, and IPSec VPN.
- Secure guest and administrator access using web-based login and administration over SSL.
- Diverse user authentication methods, including Local and On-demand accounts, POP3, LDAP, RADIUS, Windows Domain, and SIP.
- Built-in DoS protection keeps malicious hackers from collapsing the network.
- Site-to-site VPN tunnels across different locations allow hotspot venues to securely connect with one another and share the same account database.

Comprehensive User Management
- Role-based access control enhances the protection against malicious users.
- Service Zone function partitions a physical network into up to 9 virtual networks, each with its own definable access control profiles. Hotspot owners can provide different customers and staff with different levels of network services.
- Individual user bandwidth limit enables flexible traffic control for different scenarios.

Centralized Access Point (AP) Management
- Centralized remote control and automatic AP discovery.
- Management and monitoring of managed APs via web-based administration interface, including AP's system settings, online status, enabling/disabling, reset, and firmware upgrade.
- Provides system alarms and statistics reports on managed APs.

Flexible Accounting and Billing
- Configurable billing profiles allow operators to customize billing plans for On-demand users
- Billing report gives a summary of transaction records for on-demand users
- Support online payment through external payment gateways, such as Authorize.Net, PayPal, SecurePay and WorldPay.

2. New Features & Resolved Issues

This firmware release has added and resolved the following issues:

1. Support 2 groups of AP Type:
   - General AP
   - Wall Jack AP
2. Support up to total **20** managed **General** APs with different AP type:
   - **EAP100** v1.10, v1.11, v2.00, v2.10
   - **CPE100** v1.70
   - **CPE110** v1.70
   - **OWL500** v1.10
   - **OWL510** v1.10
3. Support up to total **50** managed **Wall Jack** APs:
   - **EAP700** v1.10
4. Keep all AP management functions and apply to all AP type:
   - AP List
   - AP Discovery
   - AP Adding manually
   - AP Template
   - AP Firmware upgrade
   - WDS Link.
5. AP List UI enhancement and add an overview table
6. Use tabbed style menu and UI support customization
7. Support Net Retriever
8. Support VLAN Port Mapping
9. Support Rogue AP Detection
10. Support AP Load Balancing
11. Enable On-demand Account Creation Privilege
12. Add DoS Attacker Denial Time
13. Add CPU/RAM loading status and syslog
14. Modify AP ACL support VAP under AP management
15. NAT UI enhancement, add remark in NAT setup page for reference
16. Support Import/Export On-demand accounts
17. Support On-demand group per user
18. Support On-demand account batch creation
19. Refine billing plans to support more scenarios
    - Duration Time
    - Volume
    - Cut-off
    - Duration-time
20. Support WorldPay payment gateway
21. Support Expired On-demand accounts deletion
22. 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 1.20.00 to version 2.00.00. In addition, it is recommended to back up all necessary settings before the upgrade.

System Firmware Upgrade	
Current Version	1.20.00-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 WHG303 Quick Installation Guide (QIG) 2.00.00**

[2] **4ipnet WHG303 User's Manual 2.00.00**

6. Remarks

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