Release Notes

4ipnet WHG505 Release 1.20.00
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Document Version Control

Date	Version No.	Remark
2009/08/26	1.00	Firmware version 1.20.00

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1. Introduction

The **4ipnet WHG505 Secure WLAN Controller** with built-in 6,000 local accounts, 5,000 on-demand accounts, and Gigabit Ethernet is an ideal security solution for medium to larger-scale WLAN deployments, including enterprises, campuses, hotels, airport terminals, and MDUs/ MTUs. The WHG505 integrates **"secure access control", "visitor account provisioning", "flexible accounting and billing",** and **"centralized WLAN management"** into one box to provide simplified manageability and instant mobility. With more powerful hardware, WHG505 is capable of managing up to 80 + 150 access points centrally to cover a wider service area in a larger network.

FEATURES & BENEFITS

Simplified Deployment and Reliable Internet Connection
- Gigabit Ethernet to meet higher data rate demands of larger networks.
- Easy to deploy, highly scalable platform allows overlay with existing wired/wireless infrastructure without disruption.
- Load balancing and WAN failover enhance bandwidth utilization and provide more 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 built-in Local and On-demand database; supports external authentication servers including POP3, LDAP, RADIUS, Windows Domain, and SIP registrar.
- Built-in DoS protection keeps malicious hackers from collapsing the network.
- Site-to-site VPN tunnels allow branch offices to securely connect with one another and share the same account database.

Comprehensive Access Control and User Management
- Role-based access control and policy enforcement offer management of privileges for different user groups.
- On-demand account generation provides secure and managed user accounts to visitors.
- Service Zone function partitions a physical network into up to 9 virtual networks, each with its own definable access control and group policy profiles. Allows hotspot owners to provide various levels of customized 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.
- Periodically monitors APs and notifies the administrator of problematic APs.

Flexible Accounting and Billing
- Configurable billing profiles allow operators to customize billing plans for on-demand users.
- Support online payment with credit card through Authorize.net and PayPal.

2. New Features & Resolved Issues

This firmware release has added and resolved the following issues:

1. Support 2 groups of AP Type:
   - Single RF AP
   - Wall Jack AP
2. Support up to total **80** managed **Single RF** APs with different AP types:
   - EAP100 v2.00, v2.10, v4.00
   - CPE100 v1.70
   - CPE110 v1.70
   - OWL500 v1.00
   - OWL510 v1.00
3. Support up to total **150** managed **Wall Jack** APs:
   - EAP700 v1.00
4. Keep all AP management functions and apply to all AP types:
   - AP List
   - AP Discovery
   - AP Adding manually
   - AP Template
   - AP Firmware upgrade
   - WDS Link.
5. AP Management UI add an overview table
6. AP List UI enhancement
7. Use tabbed style menu and UI support customization
8. Adding Net Retriever support
9. Adding Port Location Mapping support
10. Adding Rogue AP Detection support
    - Only EAP100 v2.10, v4.00; CPE100 v1.70 and CPE110 v1.70 support
11. Adding AP Load Balancing support
    - Only EAP100 v2.10, v4.00; CPE100 v1.70 and CPE110 v1.70 support
12. Enable On-demand Account Creation Privilege
13. Adding CPU/RAM loading status and syslog
14. Modify AP ACL support VAP under AP management
15. Support On-demand authentication apply group per user
16. Support On-demand account batch creation

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 1.20.00. In addition, it is recommended to back up all necessary settings before the upgrade.

System Firmware Upgrade	
Current Version	1.00.00
File Name	[ ] [瀏覽...]

Note: Due to database incompatibility, it is required to reset to factory default after successful firmware upgrade, *if system is upgraded from 1.00.00*.

Backup System Settings
Backup

Restore System Settings	
File Name	[ ] [Browse...]
Restore	

Reset to the Factory Default
Reset

5. Related Documents

[1] **4ipnet WHG505Quick Installation Guide (QIG) 1.20.00**

[2] **4ipnet WHG505 User's Manual 1.20.00**

6. Remarks

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