



## FHX 9860: Authorization, Authentication and Accounting Server

### Introduction:

FHX 9860 AAA server is located at the application layer of NGN, and is one of the important management equipments in the softswitch system. It provides the softswitch system with an effective access control mechanism, and realizes such functions as user authentication, service management and accounting, etc. It is a pivotal component to ensure the security for the system, and is a necessity to improve the quality of services in the softswitch system, increase the system's competitiveness, and guarantee the benefit of both service providers and users.



### Main Functions:

- User authentication: receive access authentication request from the users, validate the consistency and validity of the user's account, password, the account balance, the service of opening account, the account period of validity, validity of the account, IP address/MAC address/port number bound to the account, and the access limit of the users, etc., and support roaming authentication for the card-users.
- Charging: receive the charging information of the users coming from the data collecting point, and then generate charging bills according to charging standards and the corresponding charging rules. The system supports multiple charging modes, for example, instant charging and real-time charging
- Service management and serving: for different levels of the users, provide corresponding database management and servings, including user management, charging management, network management, query and statistic, and WEB self-help, etc.

### Technical Indicators:

- Work Environment: SUN Solaris, Linux, Windows 2000, Windows NT
- Programming tools: C++, Java
- Hardware configuration: SUN workstation or other servers
- Protocol Support: RADIUS, UDP, FTP



## Features:

- Abundant charging policies: support common charging standards of China Telecom, China Mobile, and China Communication; support to define different charging ways for one service, thus giving the users more selections.
- All-course real-time charging: adopt the policy of all-course real-time charging, and so absolutely prevent charge from losing; the users can at any time pay the charge, query the balance, query the list and the gathered data, and change the service, etc.
- Flexible and strong security: support to set different power level, so to secure the system; introduce the conception of account group, assign the users to different account groups, and then the users belonging to the same account group inherit the security policy of the group
- Completely charging support: provide the all-course charging support, including user management, device management, authentication charging, balancing, gathering and paying, charge query and statistic, and self-help service for the users, etc.
- Complete contractibility and extensibility: adopt distributed multi-level software structure; adopt the software platform of JAVA/J2EE and the relation database system, so the software service can be distributed to different computers with the growth of the system scale