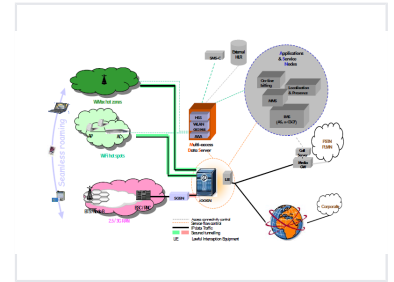


# WLAN/GPRS Seamless Roaming Solution

This solution enables seamless roaming between WLAN and GPRS networks. The network structure integrates WLAN technology and mobile network technology.



## Overview

### Seamless Connectivity Solution

This seamless roaming solution is designed to bridge the gap between WLAN and GPRS/UMTS networks, ensuring continuous connectivity for mobile users. By integrating a multi-access data server, intelligent gateway nodes, and client software, it enables automatic network selection and secure authentication. The system provides a unified billing and subscription management architecture, making it an ideal infrastructure for mobile operators to support IP data services.

## System Architecture

### Core Components

- WAS (WLAN Access Server) / MDS (Multi-access Data Server)
- MIC (Multi-access Intelligent Client)
- iGGSN (Intelligent Gateway GPRS Support Node)

### Integration Interfaces

- HLR Connection
- SMS-C
- PSTN/PLMN
- Call Server
- Media Gateway
- Corporate Networks

### Supported Networks

WLAN, GPRS, UMTS, 3G

## Authentication & Security

### Security Features

- VPN support for Intranet access
- AAA protocol support
- Radius VSA support
- Session Control

### Authentication Methods

EAP-SIM, Web-based, SIM-based, WPA (802.11i)

## Billing & Operations

### Billing & Management

- Unified billing account
- Scratch card billing
- SMS-based business support
- Content-based data service billing

## Client Features

### MIC Client Capabilities

- Automatic detection
- Network identification
- Optimal access technology selection