![AICENT logo — Bridging The Mobile World™]

Mobile Data Offload

Built on an advanced Wi-Fi roaming platform, Aicent provides mobile operators with a controlled approach to offloading data traffic to a Wi-Fi network.

The continued adoption of smart devices including phones and tablets has created a demand for data by subscribers as they download applications, video, and music at increasing rates. This rising demand for data places pressure on mobile networks, driving operators to seek to alternate solutions.

Mobile Data Offload Overview

The rapid adoption of smart devices including phones and tablets continues to grow at an exponential rate and along with it, a dramatic rise in the demand for data as subscribers look to enhance their experiences by downloading applications, video, and music, while accessing social media outlets at increasing rates.

In an effort to maintain high levels of service quality for subscribers, today's mobile operators have started to look for options to offset the enormous demands being placed on their mobile networks.

Mobile Data Offload Benefits:

- Extends global Wi-Fi networks giving subscribers the ability to access Wi-Fi hotspots worldwide, minimizing the fear of excessive data charges
- Delivers value-added services to international roamers by offering travelers an option to offline to a Wi-Fi network, reducing heavy roaming data charges
- Covers gaps in low coverage areas allowing subscribers to access data applications while off the cellular network expanding an operator's reach
- Builds new revenue channels by taking on mobile users that previously used other fixed line providers

Aicent's Wi-Fi Domestic Offload Solution

Utilizing an all-inclusive, next-generation IPX network, Aicent's Mobile Data Offloading solution applies Aicent's Wi-Fi Roaming Platform to extend a mobile operator's reach across hundreds of global Wi-Fi hotspots. Mobile subscribers will experience high quality data connections as they move transparently between Wi-Fi hotspots, without placing additional demands on mobile networks.

Aicent's Mobile Data Offloading delivers a complete solution to operators, making mobile Wi-Fi roaming as seamless as 3G data roaming.

Roaming

Aicent Mobile Data Offload
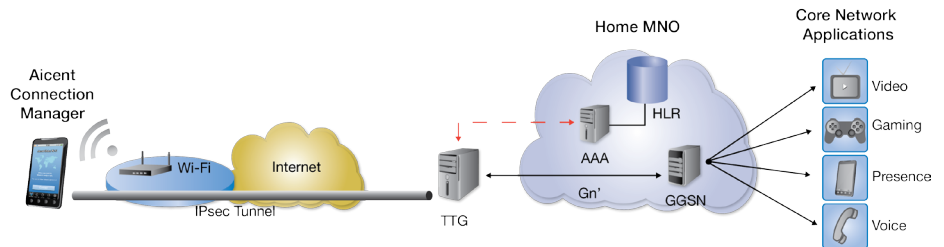
Domestic Mobile Data Offload Features:

• Billing/settlement based upon different aspects such as duration or volume

• Supports different authentication methods such as user ID and password, or EAP-SIM/AKA

• Integrates domestic Wi-Fi offload service according to operator requirements

• Accesses 3G/4G data networks over Wi-Fi with either iWLAN or VPN

• Provides an advanced monitoring and reporting system

• Offers value added Wi-Fi services including international Wi-Fi roaming

International Mobile Data Offload

Through Aicent's extensive network of global Wi-Fi operators and automated authentication process, mobile operators are equipped with the necessary tools to construct a comprehensive Wi-Fi roaming system that keeps their subscribers connected as they migrate between Wi-Fi hotspots world-wide.
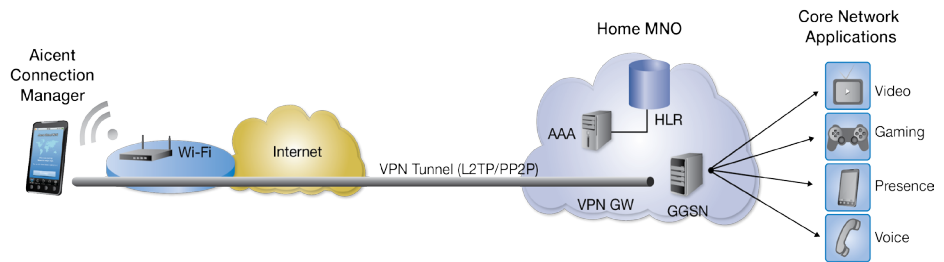
3GPP i-WLAN Solution

Specified in 3GPP iWLAN, is a client based solution – iWLAN client in handset in conjunction with deployed TTG on network side.
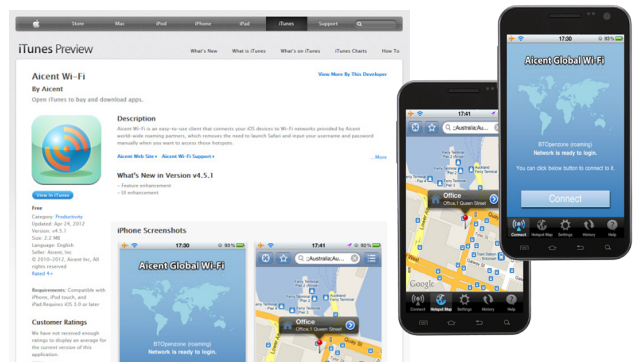
VPN Solution

For this solution, a light-weight client can be installed in handset for 3G/4G application access.

Aicent Connection Manager

Aicent's Connection Manager quickly connects smart devices including smartphones and tablets to Wi-Fi networks located in high traffic areas including: Hotels, Airports, Convention Centers, Retail Establishments, and Small Businesses, provided by Aicent's world-wide roaming partners located in over 115 countries around the world.

Serving more than three billion mobile users around the world, Aicent, Inc. is a leading provider of data network services and solutions for global mobile operators. Aicent operates one of the largest GPRS, 3G, and LTE network exchanges supporting over two hundred customers including the world's ten largest global mobile operators and operator groups. The company also operates integrated mobile messaging services, including one of the first and largest multimedia messaging exchanges, and offers other value-added services to help operators maximize revenue opportunities.

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