uMobility
For Service Providers

▶ Solution Lets Your Hosted PBX or Residential VoIP Subscribers Answer their Office or Home Phone from their Cell Phone - *Anywhere!*

▶ Win Back Customer Talk Minutes Currently Being Lost to the Cellular Operators

Today, many of your Hosted PBX and/or residential VoIP subscribers are using cell phones at the office and at home. In both cases, the cellular operators capture the talk minutes, draining valuable business from your wireline network.

uMobility lets you win back that voice traffic while solving two very important problems for your subscribers: it lets your subscribers answer their office or home phone directly from their cell phone, plus it greatly enhances in-building coverage to ensure reliable cell phone usage in the office or home.

uMobility works with today's most popular SIP-based softswitch solutions so all cell phone calls in the office or home stay on your wireline network, instead of the cellular operator's network.

How it Works…

The solution automatically replaces the weak and unreliable cellular signal experienced from inside a building with the much stronger and more stable in-building Wi-Fi signal. The result is outstanding voice quality.

Subscribers still make/receive calls from their cell phone exactly as they normally would. uMobility senses when they enter or leave the office or home and then works with your SIP-based softswitch to seamlessly direct calls to their cell phone. Additional technology ensures that wherever your subscribers are, the cell phone voice quality rivals that of the IP phone on their desk or at home.

Hosted PBX Example. Tom is away from his cubicle. He may be in the conference room or even out of the office, at a coffee shop. Mary, a co-worker, dials Tom's four-digit PBX extension: 4156. Normally, the call would roll to Tom's office voice mail, but with uMobility, Tom's cell phone rings and Tom is able to talk to Mary, just like he is sitting at his desk. Better yet, if Tom is in a Wi-Fi zone, all calls are routed to Tom's cell phone over Wi-Fi and absolutely no cell phone minutes are used by Tom – all day, every day!

Residential VoIP Example. As soon as Janet is in range of her home Wi-Fi network, uMobility recognizes her cell phone and her home phone number now automatically rings on her cell phone. She can also make calls from her cell phone that ring with her home phone Caller ID number. No cell phone minutes are burned because the cellular network is bypassed, so Janet can now talk as long as she wants on her cell phone at home or from any Wi-Fi hotspot!

Hosted PBX Subscriber Benefits

uMobility provides many benefits for your Hosted PBX subscribers:

- Lets subscribers answer their office phone from their cell phone – anywhere
- Replaces the weak, outside cellular signal with the considerably stronger and more stable Wi-Fi signal inside the office
- Ensures that subscribers will never miss an important call again if they step away from their desk phone
- Lets subscribers maintain an "in the office appearance" while they are out of the office

- Lets subscribers enjoy the convenience and freedom of movement that is provided by the cell phone in their office environment
- Reduces cell phone minute charges each time a cell phone is used at the office because the cellular network is bypassed
- Lets companies track cell phone usage in the office because all cell phone calls are captured by your softswitch CDRs
- Eliminates the need to pay for and to install an IP phone at the subscriber premise - the cell phone can replace the IP phone, if desired.

Residential VoIP Subscriber Benefits

uMobility also offers several compelling benefits for your residential VoIP subscribers:

- Lets subscribers answer their home phone from their cell phone - anywhere
- Replaces the weak, outside cellular signal with the considerably stronger and more stable Wi-Fi signal inside the home
- Eliminates the need to pay for or install a VoIP telephone adapter at the subscriber's premise
- Lets subscribers stop juggling between their cell phone and cordless landline home phone
- Lets subscribers maintain an "at home" appearance when they are away from their home
- Saves subscribers money – lets them talk on their cell phone at home as long as they want without burning expensive cell phone plan minutes!

VARAHA SYSTEMS

uMobility: Keeps Cell Phone Minutes on Your Wireline Network!

Service Provider Benefits

uMobility is an excellent addition to your service offerings for several reasons:

- Win the Battle - uMobility lets you win the 'Battle for the Building' by letting your subscribers use their cell phone at the office or home while keeping all talk minutes on your wireline network
- Available Now - Block-and-tackle the cellular operators now, before Femtocell and other in-building cellular network technology matures and the wireless carriers steal more of your wireline customers
- Lower Subscriber Acquisition Costs - uMobility eliminates the expense of premise-based VoIP hardware such as ATAs and/or IP phones
- Increase Monthly Revenue - An excellent way to increase monthly subscriber revenue at low risk
- Competitive Differentiation - Provides a very useful new monthly feature that competing service providers do not offer
- Simple and Easy - Inexpensive and very simple to install and provision

Solution Components

uMobility is a 100% software solution consisting of the uMobility Controller (UMC) software and uMobility cell phone client.

The UMC software runs on standard, off-the-shelf hardware and interfaces to most popular softswitch solutions via industry-standard SIP messaging.

The uMobility cell phone client is automatically installed on the cell phone when the subscriber is provisioned by the uMobility system administrator.

It's easy to install uMobility and to get it up and running in your PoP!

System Requirements

Softswitch
Broadsoft Broadworks, Nortel MCS, Cisco Call Manager, Genband M6 (Tekelec/VocalData), Sylantro Synergy

Hardware for uMobility Controller
Server: RedHat Enterprise Server 5.0 running on Pentium 4 or Xeon Processor 3GHz or higher
Memory: 1GB RAM
Hard Drive: 2GB
Network Interface Card: One Gigabit

Compatible Windows Mobile 5.0/6.0 Phones
i-mate K-JAM/PDA2, T-Mobile MDA, Dopod D810, HTC P3600, HTC Touch, Hermes 200/300, XDA Stellar, Vodafone VPA, Orange M700, Samsung i730, UT Starcom PPC-6700

Compatible Symbian Phones
Nokia E51/E61/E61i/E65/N95/6680

= uMobility Cell Phone Client

VARAHA SYSTEMS