

Comdasys MC Solution

Unified Communications and Mobility

The Comdasys MC Solution brings the features of your IP-PBX to your mobile phone in the palm of your hand. Its two components, the MC Controller and the MC Client, will enhance your business mobility.



PBX Integration

The Comdasys MC Controller in your corporate network will project all features supported by your IP PBX to its counterpart, the MC Client, which resides on the handsets of the MC Solution users. This concerns in-call features like Hold, Consultation, Conference and the like, as well as out-of-call features for Call Forwarding and more.

Supported PBXs

The following PBXs are supported by the Comdasys MC Solution: Aastra (all PBX), Siemens HiPath 2000, 3000, OpenOffice, 4000, 8000, Cisco CallManager v6.x, Ericsson MX-ONE, Avaya CM 3.x/4.x/5.x, ShoreTel v 8.x, Nortel CS 1k, CS 2k, MCS5xxx, Broadsoft, Sylantra, as well as most Open Source PBXs.

The list of supported PBXs is continuously growing.

Supported Mobile Handsets

The MC Client runs on various models of the following brands: Symbian (Nokia, LG, Samsung), Blackberry, Android, iPhone and Windows Mobile.

Cost Benefits

All Comdasys MC Clients bring full VoIP telephony to all capable handsets. This enables you to use your already existing corporate Wi-Fi infrastructure, as well as public hotspots and wireless LANs at home to drastically cut costs for mobile telephony.

The Comdasys MC Solution also offers call-routing functionalities which enable you to take advantage of tariff asymmetries between landline and GSM networks.

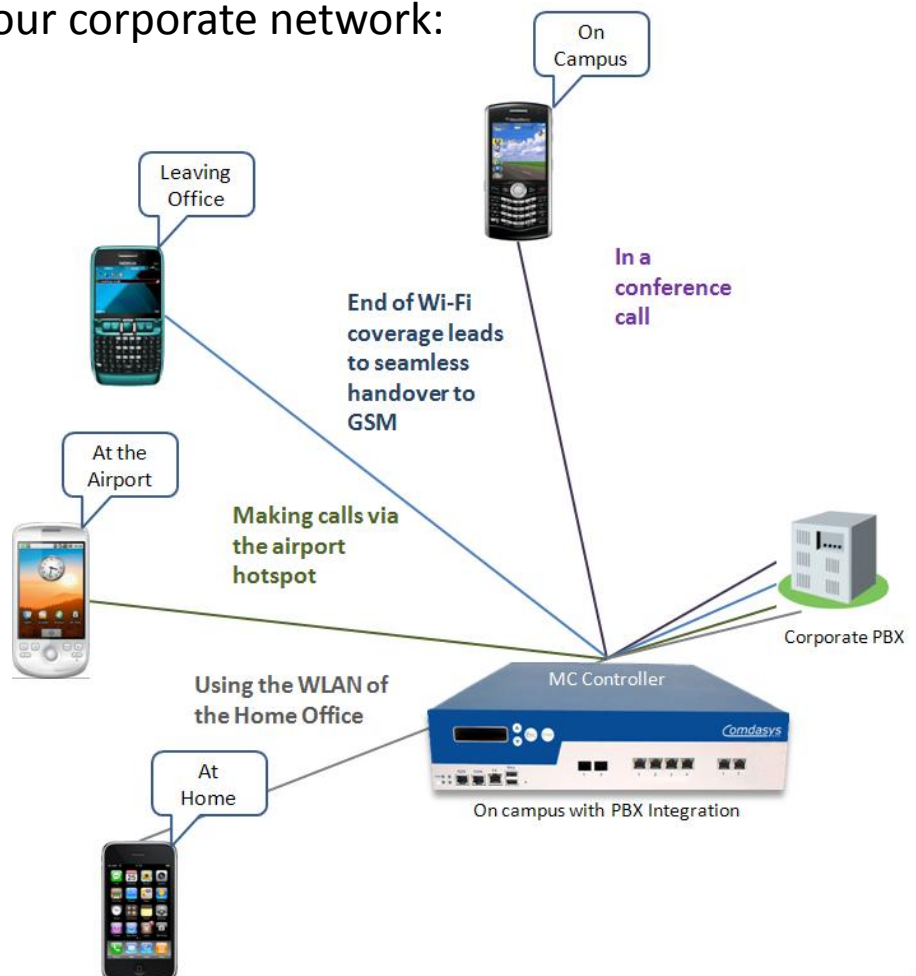
Truly Unified Communications

Corporate Phonebook, IM and Presence

The MC Solution also brings access to your corporate phonebook to your mobile handset by integrating with an Active Directory or LDAP server in your corporate network.

Further communication tools like instant messaging and presence notifications are also part of our feature range.

This could be your corporate network:

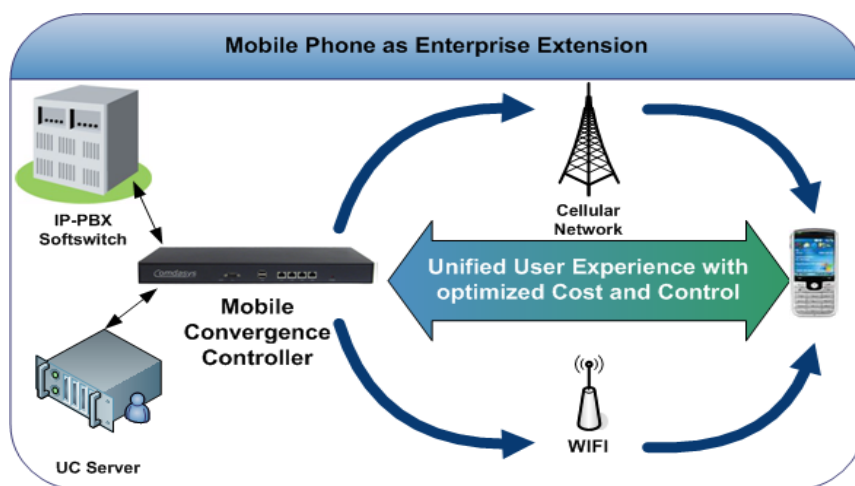


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Technicalities and Details

Architecture

The Comdasys Mobile Convergence solution is a Client / Server solution that seamlessly integrates with your corporate network interoperating with your PBX and other services such as active directory servers for corporate phone books or Presence Servers. All connected services are extended to the mobile handset of MC Solution users. The following diagram should illustrate the architecture of the Mobile Convergence Solution.



MC Controller

This server component resides in the corporate network, usually next to the SIP-based or SIP-enabled PBX/Softswitch, or next to the Media Gateways in large scenarios. The MC Controller can be connected to a PBX as a SIP Client, through SIP trunks or through a Comdasys MC Gateway (legacy PBX). The integration as a SIP Client allows for the real integration of all available PBX features without creating a parallel infrastructure.

Once connected, calls made to or from the mobile user's device are routed through the PBX or Softswitch using any available GSM/UMTS/CDMA/WLAN/HotSpot infrastructure. The MC Controller will make the used baseband transparent to the PBX and will also provide the seamless handovers between Wi-Fi and cellular networks and vice versa.

MC Client

The client component provides an intuitive interface with straight forward access to enterprise features sparing the user network complexities. The MC Client also handles the management of the WLAN access point list.

The MC Client is available for various platforms.



Differentiators

Contrary to competing offerings, the Comdasys Mobile Convergence Solution wants to leverage on your existing communication infrastructure.

There is no need to upgrade your PBX, or replace your desktop phone to use the MC Solution. Through our broad support for PBX systems from a multitude of vendors, we can integrate our mobility-enhancing products with your existing equipment.

In addition to this, the Mobile Convergence Controller features a sophisticated deployment functionality to send out or update large amounts of MC Clients.

Our MC Solution maximizes the advantages of your existing corporate Wi-Fi infrastructure.

Simply connect your mobile phone to an access point and make Wi-Fi calls all around campus without worrying about coverage: once you leave the Wi-Fi-covered area, your MC Client will keep ongoing conversations going and seamless connect you to the GSM network.

Our MC Solution fully integrates with your corporate PBX.

Select an in-call-feature from the Options menu while you are in a call. All features which are usually only accessible via your desk phone will be available in this menu: Hold, Consultation, Toggle, Transfer, and many more depending on your PBX.

Differentiators

The MC Client helps you manage your Voice Mail.

Have your MC Client display missed calls on its home screen, and conveniently use its graphical-user interface to access and listen to your corporate Voice Mail.

Our MC Solution brings your corporate directory to your mobile phone.

Access your corporate contacts on the Active Directory Server in your network. Search all contacts and dial numbers directly from this screen on your MC Client.

Cost-effective use of routing is one of the key features of our MC Solution.

Fully control the treatment of your calls via your MC Client. Configure rules to have certain numbers use a specific least-cost routing feature such as Callback. In a Callback scenario, the MC Controller will call you back and simultaneously dial the number of the party you would like to talk to. In effect, there will be no charges on your mobile phone, and billing will be concentrated only on your corporate network.

Your MC Client is a chat-capable presence communicator.

Set your availability status on the home screen of your MC Client and see who else is online in the contacts view. Send and receive instant messages (IM) to colleagues and other contacts via a separate IM screen.

General Features

Auto Start on Device Boot

Configurable Dial Mode (Always Client, Dual Identity)

Click to Dial from other Applications and Native Dialer

Corporate Phone Book

Message Waiting Indication

Do not Disturb (stop receiving enterprise calls on Handset)

Travel SIM Switch functionality

Background Support for GUI

Client Operation as Dual Mode and Single Mode without WIFI

Optimized for WIFI Infrastructure roaming between Access Points

Client OTA Deployment

Client OTA Parameter Deployment

Client OTA Parameter Update

Configurable Policy based Least Cost Routing

Automatic Deployment of Least Cost Routing Policies with dynamic Update

Call Back Functionality for saving cost on roaming

Call Reverse for saving on Fixed Line to Mobile Calls

UC Features

Plain Instant Messaging

Instant Messages to multiple recipients

Instant Messaging Contacts Handling via Native Phone Book

Presence Publishing

Presence Subscription

Accepting / Rejecting Presence Invitations

Managing Buddy Lists on Server from Client

Buddy List Handling via Native Phone Book

Calling Modes

Basic call (Voice over WIFI also with security)

Basic Call (cellular) with parallel data connection for features

Dynamic Establishment of Data Connection

Out Call Features via GPRS or UMTS

Dynamic Fallback to pure GSM in the middle of a call with continued feature support

Basic Call Voice over 3.5G also with Security

Dynamic Switching between signalling and VoIP over 3G

Handover from 3.5G to GSM

Handover from GSM to 3.5G

Handover from WIFI to cellular

Handover from cellular to WIFI

Voice Supplementary Services

Short Number Dialing

Hold

Consultation

Blind Transfer

Toggle

Conferencing

Attended Transfer

Call Waiting

Auto Login

Group Call Pickup

Call Park / Retrieve

Voicemail / Mail Box including Visual Message Waiting Indication

Call Forwarding, Always, On Busy, On No Answer

Parallel Ringing

Call Deflection

CTI Interoperability