Comdasys
Providing One-Number Reachability Everywhere

Workers juggle several different telephone numbers for work, mobile and home, and different modes of communication such as e-mail, voice mail and instant messaging (IM). This can be time consuming and confusing when dealing with customers, and also equates to wasted productivity and lost revenue for companies in the current “always on” business environment.

With the Mobile Convergence (MC) Solution from Comdasys, an Avaya DevConnect Technology Partner, businesses can streamline communications by providing employees with one number and one device. The Comdasys Mobile Convergence Solution is an integrated, PBX vendor-agnostic solution that allows enterprises to fully leverage their existing network infrastructure as well as their Wi-Fi networks. With a simple and intuitive GUI, the solution delivers the features and functionality of an enterprise PBX, including unified communications, to a mobile device.

The Comdasys MC Solution works with Avaya IP Office to extend communication services to the road, the home or virtually anywhere with cellular or Wi-Fi connectivity. Avaya IP Office is an intelligent communications solution specially designed to meet the communications challenges facing small and mid-size businesses. The MC Solution connects to the IP Office switch through a SIP interface, emulating a SIP endpoint such as an IP telephone. This makes all functions provided on a desk phone available on a mobile phone.

The Comdasys MC Client allows users to access standard in-call features such as consultation, toggle, transfer and conference as well as out-call features, such as call forwarding, from a mobile device. In addition to pure telephony, the solution extends true unified communications functions such as IM and presence to a mobile device. Users communicating via a cellular network can access PBX features, allowing them to participate in conference calls or use internal PBX extension dialing.

Features
With one-number reachability, the Comdasys MC Solution allows users to make enterprise calls from virtually anywhere, using extension dialing to reach office mates and voice telephony features...
such as hold/resume, consultation, toggle, conferencing, transfer and call waiting. Other features include:

- **Different Modes of Operation** including: dual mode – signalling and voice over WLAN/UMTS/cellular; single mode – signalling over cellular/voice over cellular; and pure cellular operations with no signaling connection. Full usability is maintained in single mode operation by utilizing the cellular network as a simultaneous data channel.

- **Guided Feature Invocation** with support for handovers, allowing users to select only the features available in the current state and dynamic updates of feature selection as data channels change. This also applies to calls initiated in pure cellular mode.

- **Unified Communications with Instant Messaging** through an available data channel, which can be fully integrated into the corporate IM architecture.

- **Presence State** giving users the ability to update their status on the enterprise presence server as well as supporting true mobile unified communications.

- **Security** allowing voice and signaling encryption with TLS and SRTP.

- **Over-the Air Deployment** using the MC Controller makes deployment for administrators easy, eliminating the need for extra device management solutions.

### Benefits

**Mobile Enterprise Communication.** Enhance user experience by enabling a mobile phone as a mobile PBX extension, providing mobile phone access to PBX features from almost anywhere, without the usual restrictions or sacrificing communication quality. Voice-over-WIFI also allows true desk phone or cordless replacement scenarios at no added cost.

**Unified User Experience.** Simplify enterprise communications by reducing the number of devices employees require to one, providing them with one number, one device and one mailbox.

**Improve Work Efficiency.** Increase workforce productivity by streamlining employee communications. The one-number reachability derived from deploying the MC Client with the Comdasys MC Controller helps employees be more responsive and increase performance.

**Simple, Easy Deployment.** Reduce deployment time with the Comdasys MC Controller’s one-click installation and configuration. Increase access to the mobile application by allowing employees the option of pre-installing the MC Client on handsets, provisioning it over-the-air or downloading it from a website or e-mail attachment.

**Control and Reduce Communications Costs.** Control and reduce enterprise mobile communications costs with the Comdasys MC Solution, which transparently selects the most cost-effective routing pattern.
System Requirements

The Comdasys Mobile Convergence Solution is comprised of the MC Controller and the MC Client, both of which are required to enable the solution.

• The MC Controller is an all-in-one network appliance that handles the handoffs between the different basebands and extends communication functions to a mobile device. There are five versions of the MC Controller:
  » FMC 1807 – 7 users
  » FMC 1815 – 15 users
  » FMC 2800 – 50 users
  » FMC 3800 – 250 users
  » FMC 5000 – 2,000 users

• The MC Controller can also be installed in a virtual environment and run on a VMware Server.

• The MC Client is a software application that resides on a mobile handset, working in conjunction with the MC Controller to allow users to access the communication system features and functionality in WiFi and Cellular mode. Supported smartphones include:
  » BlackBerry
  » iPhone
  » Android
  » Symbian

Learn More

To learn more about Avaya solutions and DevConnect partner Comdasys, contact your Avaya Account Manager or Avaya authorized Partner. Or, visit us online at www.devconnectmarketplace.com.

About Comdasys

Comdasys is the leading provider of mobile unified communications solutions for enterprises. Comdasys is dedicated to providing secure and scalable mobile unified communications enterprise solutions that are seamless to deploy and support. Enterprises and business partners can depend on Comdasys’ comprehensive enterprise networking knowledge and experience for solution design and customer support.

Headquartered in Munich, Germany, Comdasys has sales offices in EMEA and North America.

For more information, visit www.comdasys.com.
About DevConnect
The Avaya DevConnect Program provides a wide range of developer resources, including access to APIs and SDKs for Avaya products, developer tools, technical support options and training materials. Registered membership is free to anyone interested in designing Avaya-compatible solutions. Enhanced Membership options offer increased levels of technical support, compliance testing, and co-marketing of innovative solutions compatible with standards-based Avaya solutions. To learn more, or register for membership, please visit www.avaya.com/devconnect.

About Avaya
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