

All-in-one Fixed-Mobile Convergence

The Comdasys Mobile Convergence (MC) Solution combines telephony and messaging applications and bridges the gap between Fixed-Line and Mobile Telephony networks to bring those features to your Smartphone.

Designed for Business

In conjunction with the MC Client software, the MC 2800 unifies all major means of business communication and makes them accessible on a variety of the most popular and state-of-the-art Smartphones. These means of communication include among others: in-call services (such as Conferencing), Voice Mail notification, Corporate Phonebook access and Instant Messaging (IM) by integrating with the following network devices:

- PBX for In-Call Services and Call Management
- Corporate Directory Servers
- Presence Servers (IM)...

Fusion of Desk and Mobile Phone Features

The MC 2800 manages office and mobile calls through one user account associated to your PBX, this enables the following services:

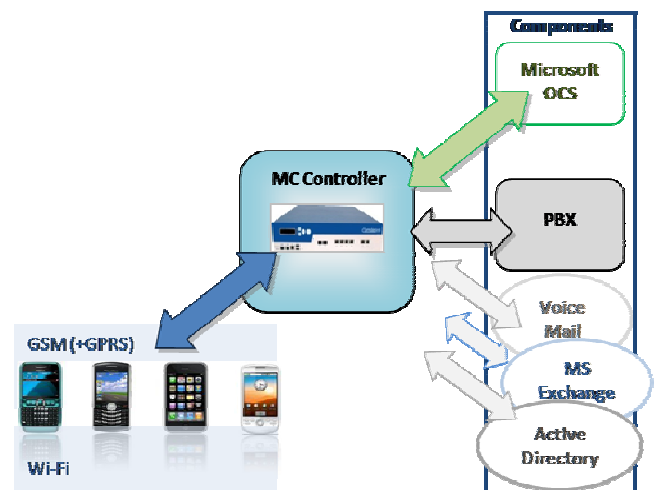
- Single-Number Service: users are available via their office number or extension, even if they are on the road
- Wi-Fi Telephony: reducing costs by leveraging existing WLAN infrastructure
- In-Call Services: hold call, conferencing, transfer, consultation and more.

Network-Agnostic

The MC 2800 and the MC Client enable the effective usage of not only Wi-Fi, but also GSM, UMTS and CDMA. Via seamless handovers, calls can be switched from Wi-Fi to Cellular networks if voice quality is fading.

Least-Cost Routing (LCR)

Additionally to the integration of Wi-Fi infrastructure, further features for cost reduction are available. The MC 2800 lets you configure your own rules for the routing of certain call types.



High Performance, Great Flexibility

The Comdasys MC 2800 is suitable as universal network building block for small businesses wishing to deploy fix / mobile convergence services. It enables leveraging the advantages of VoIP technologies and extending those out to the mobile device.

Key Differentiators

- Single Number Reach¹
- SIP Trunking and SIP Subscriber Integration with the PBX provides leading-edge feature integration
- NAT Handling / SBC: use dual-mode devices from public HotSpots
- Call Hunting¹ (based on availability of handset)
- Enterprise PBX Feature interworking^{2,3}
- Mid-Call Handovers depending on Wi-Fi availability and quality¹

¹ WLAN and cellular networks

² GSM / CDMA, GPRS/UMTS and WLAN

³ Supported via DTMF for GSM / CDMA. MC Client offers comfortable selection menus.



- Transcoding for enabling use of WLAN optimized codecs on the Handset leg, with standard codecs towards the IP PBX.
- LCR Functions: Callthrough, Call Reverse, Call Back for maximizing cellular savings
- Integrates with Presence and IM Server
- Support IMS / VCC capable handsets without client

Interoperability with PBX

Aastra, Avaya, Asterisk, Broadsoft, Cisco Call Manager, Siemens, Nortel, Shoretel, SipX, Sylantra, TELES, NEC Unified Solutions.

Unified Communications

- Presence Subscription and Publishing via XMPP (unencrypted and TLS supported). Supports also registration of Users via Public XMPP Servers such as GoogleTalk
- Instant Messaging integration with XMPP servers
- Presence and Instant Messaging integration with SIMPLE based servers
- Instant Message to SMS Gateway functions
- Full UC both via WLAN as well as over GPRS / UMTS
- MS Exchange Web Synchronization for Contacts, Email, Calendar
- Corporate Directory Access via Active Directory and / or LDAP

Deployment

- Simple Server based Client Deployment
- Deployment with preset configuration
- Client Deployment via Email or Download
- Client Deployment via SMS

Firewall and SBC Functionality

- Stateful inspection Firewall
- Layer 7 Filtering with Syntax Checking for e.g. SIP for maximum security
- NAT for Dual Mode Handsets with full SBC capabilities
- Automatic NAT Detection

Security

- TLS Support for secure signaling towards handset
- TLS Supported in conjunction with SBC functionality
- SRTP support for secure voice transmission, also via SBC component for Secure Internet / Hotspot Use with the appropriate MC Client.

Management

WebUI (secure access through HTTPS), SSH, Local Console (through special adapter cables for service technicians only), Local Serial Console.

QoS / Traffic Control

Diffserv for prioritizing Voice and shaping with various queuing disciplines.

Performance

- Recommended for up to 80 typical Dual Mode Users (depending on several factors especially security and transcoding)
- Up to 25 simultaneous Voice Sessions with Transcoding and DTMF detection. In conjunction with Direct Media Connect, more simultaneous Sessions can be accommodated

Redundancy

- 1+1 Redundancy with second appliance
- Redundancy operation also possible with larger system (MC 3800 / MC 4800) as a backup unit

Hardware

- Internal power supply (44W)
- 100 - 240V, 50 - 60 Hz
- 4 x RJ45, 2 x USB, 1 x RS232, 1 x VGA

Dimensions

19" 1U Rackmount including brackets, Height 4.4 cm, Length 20 cm, Width 45.0 cm.

Certifications

EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2/-3/-4/-5/-6/-11, FCC Rules Part 15 / Subpart B, IEC / EN 60950-1, UL 60950-1, Marks: CE, FCC, UL.

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