

# Hybrid Communications Platform for SME, **iPECS eMG80**

**iPECS**  
Your Communications Solution

The content of this document is subject to revision without notice due to continued progress in methodology, design and manufacturing. Ericsson-LG Enterprise shall have no liability for any error or damage of any kind resulting from the use of this document

© Ericsson-LG Enterprise Co., Ltd. 2017 Version 1.0

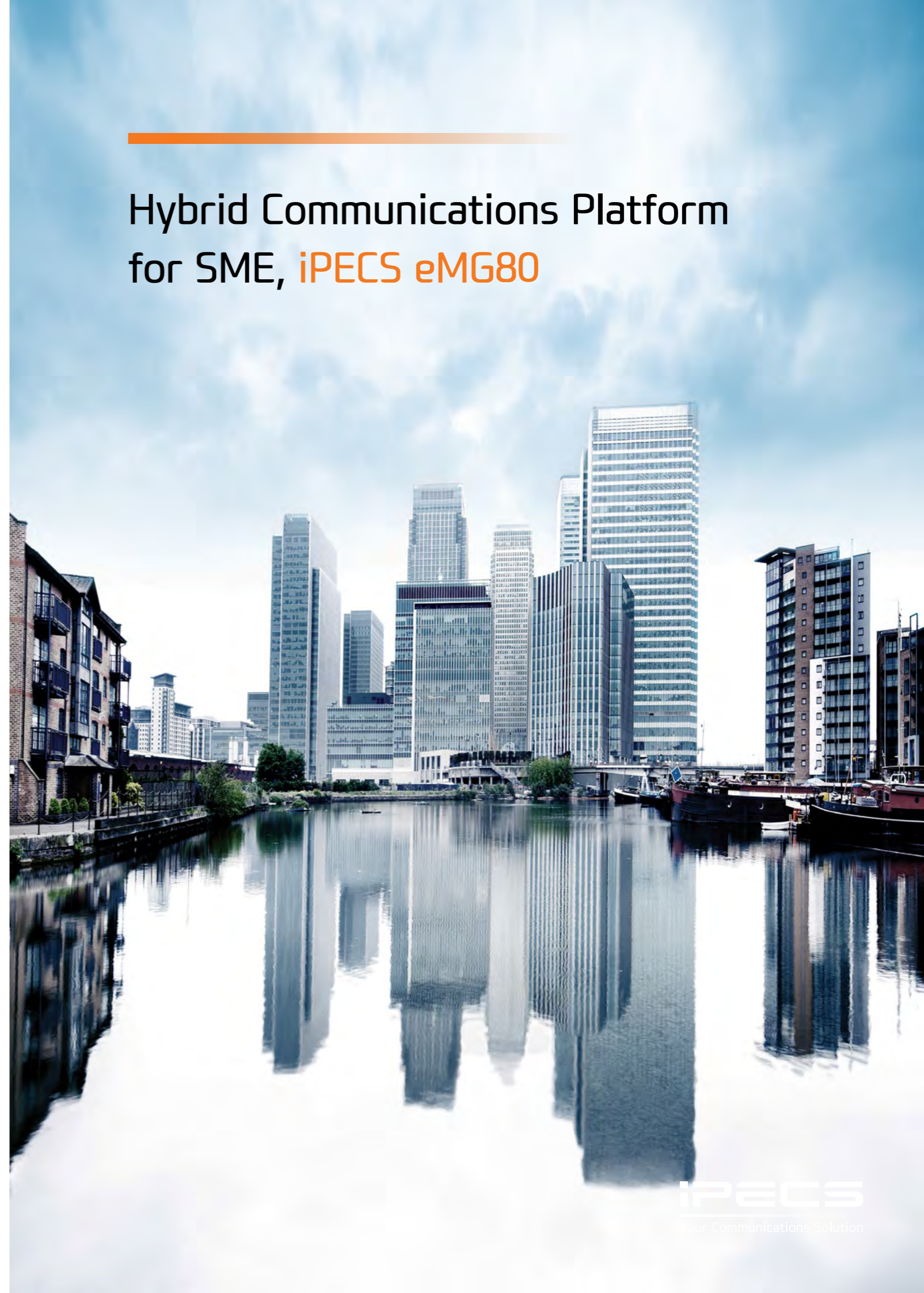
Ericsson-LG Enterprise Co., Ltd.  
(431-749) 77, Heungan-daero 81 beon-gil, Dongan-gu,  
Anyang-si, Gyeonggi-do, South Korea  
Telephone: +82-2-3777-1114  
Fax: +82-31-8054-6656  
www.ericssonlg-enterprise.com  
www.iPECS.com

iPECS is an Ericsson-LG Brand



ERICSSON | LG

**iPECS**  
Your Communications Solution



# Experience a rich featured and cost effective communications solution in a trendy design

IP/TDM Hybrid Communication Platform, iPECS eMG80

iPECS eMG80 adopts VoIP technology running in optimized IP/TDM hybrid switching platform. The ability to communicate seamlessly over IP networks delivers advantages over existing hybrid technologies permitting SMEs to access efficiency and productive applications with iPECS eMG80 in a simple and cost-effective manner.



## Embedded UC and Telephony

As the most compelling advantage, Unified Communications services are embedded in iPECS eMG80. Users can improve business efficiency and productivity with embedded UC features including real-time voice, video and presence enabled IM with messaging services (Visual Voice Mail and SMS etc.) under a single user interface on multiple devices without the need of an external server. Also, it is seamlessly expandable to provide advanced collaboration services (File sending, application sharing and multi-party video conference etc.) by simply adding an external server.

## Flexible Multi-Site Deployment

As a branch deployment solution, iPECS eMG80 enables flexible and cost-effective multi-site deployment as local/branch system. Also, it provides secure and seamless communication features. When a connection between the central system and the remote devices is fail, the local system will be worked as the call server responsibility for the local devices. Besides local survivability, it also provides PSTN back-up service (Fail-over) for internal calls.

## Wide Range of Mobility

iPECS eMG80 provides multiple mobility solutions for internal and external mobile workers. Through a wide range of mobility solutions, users can improve productivity and decrease communication expense. iPECS DECT and Wi-Fi phones provide feature rich and reliable communications for internal mobile workers. For external mobile workers, iPECS UCS mobile client delivers the power of a desktop phone to smartphones or tablet PCs. Also, Mobile Extension lets users place and receive business calls from their smart phone.

## Seamless Scalability

As a scalable call server iPECS eMG80 allows businesses to easily expand capacity with optional gateways or boards. If users using iPECS eMG80 and want to expand capacity, users don't need to change all IT resources. Only basic KSU need to be changed and other IT resources such as EKSU and desktop IP/Digital phones can be used as before. With iPECS eMG80's scalability, users can experience upfront investment savings and cost-effective expansion as a business grows.

## Rich Business Applications

iPECS eMG80 provides a various range of applications and mobile clients to fulfill varying needs and requirements in SME environments. Also, it offers interoperability with various 3rd party solutions in hospitality, healthcare and other vertical industries.

## Embedded VoIP

Embedded VoIP channels are one of the great advantages. iPECS eMG80's advanced VoIP technology supports low cost SIP trunking, on and off-premise mobility, remote connectivity and multi-site networking with minimal cost to overcome geographical boundaries.

## Simple Deployment and Management

iPECS eMG80 with unique architecture fits various business environments in a simple and cost-effective way. An Installation wizard simplifies the initial installation. In addition, intuitive and customizable Web-admin enables simple management for IT managers. Also, there is another type of web portal for end-user which is called 'Web User Portal'. End-users can easily set up basic personal settings anywhere via desktop or even on a mobile.

# Rich Feature Set

Built-in system feature set and UC server provide various applications and features to meet a variety of customers needs.

## Flexible Multi-Site Deployment

iPECS eMG80 enables flexible and cost-effective multi-site deployment as local/branch system. Local sites include a system operating in the local mode as a live back up to the remote central system. The central system controls remote devices (Gateway modules and terminals) including VoIP channels. When a connection between the central system and the remote devices is fail, the local system will be worked as the call server responsibility for the local devices. Besides local survivability, it also provides PSTN back-up service (Fail-over) for internal calls. With these features, local users can experience iPECS eMG80's seamless communication, and deployment flexibility and expandability are possible through an IP connection. Easily expand a branch or mobile office with great cost advantages.

## Emergency Call Service

iPECS eMG80 provides various emergency call services (Emergency call, Emergency call recording, Emergency call monitor and Emergency/SOS paging etc.) by the system itself. With embedded emergency call service, users can take actions rapidly for various emergency situations. For effective management, all emergency calls are monitored and recorded in the emergency mailbox.

## Simplified Multiple Calls Handling

iPECS eMG80 provides multiple call handling for user's seamless communications. A desktop phone's DSS buttons can be assigned as a multiple calls handling button. (Max 48 buttons) With a pre-assigned button, users can easily handle multiple calls. For example, when a user is busy on a call and another call is presented to the station, the user can easily decide to answer or transfer as pop up CID information through the pre-assigned button. When a user decides to answer, the first call is placed on hold automatically. This feature realize enhancement of user's communication route, and users can experience simple and easy seamless communication.

## Embedded ACD

iPECS eMG80 provides an embedded intelligent ACD engine. ACD features provide flexible incoming call routing, easy to use agent features, real-time monitoring and supervision, and call record statistics as well as ACD event messages for management reporting. The caller may receive announcements then route to an available agent. When no agent is available, calls queue to the group awaiting a free agent. With simple ACD features, an agent's work productivity can be increased. Also, supervisors can easily monitor and report with Agent call monitor and ACD statistics report features.

## Integration with 3rd Party Solution

iPECS eMG80 provides integration with 3rd party solutions for hospitality and healthcare industries. iPECS eMG80 provides a cost-effective way to use the existing solution with high compatibility. Generally, direct or middleware integration is supported. When user has a local solution, it can be easily integrated and offer more convenient iPECS features than before through various middleware support. Usually it can be integrated with diverse hospitality and healthcare solutions. With iPECS eMG80's high compatibility, interworking with diverse local customized solutions is possible.

## Embedded Voice Mail

iPECS eMG80 delivers sophisticated and easy to use voice mail services by default and seamlessly expandable as required. Embedded voice mail channels are provided for great cost advantages. (Max 16 channel by license) Also, many valuable voice mail features to enhance customer interactions are provided. (Multiple user greetings, E-mail notification, VM cascading, Centralized or Distributed voice mail services for multi-location businesses and Multi language service etc.) These features are designed to increase user's usability and productivity.

## Multi-Tier Mobility and Mobile Extension

iPECS eMG80 is maximized for mobility solutions. Users can construct multiple mobility solutions for both in and out of the office considering the office environment. In the office, IP DECT, DECT and Wi-Fi phones are available. And out of the office, iPECS UCS mobile client covers rich communications features for mobile workers. In addition, Mobile extension feature is provided for seamless communications and ease of use. Through Mobile extension, calls can be seamlessly and easily moved back and forth between desk phone and mobile phone.

## Easy Audio Conference

iPECS eMG80 provides built-in audio conference bridge for cost-effective collaboration and it can be seamlessly expandable as required. With embedded conference features, users can collaborate easier than ever. There are 3 types of audio conference features. Conference Groups, pre-created conference members can easily initiate a group call to all members. Conference Rooms, pre-assigned conference rooms members can join the conference room with a password at any time with any device. And lastly, Ad-hoc Conference as multi-party conference can be easily set-up by the initiator. Conference room maximum is 40 groups and Max 13 parties per each conference.

## One Number Service

iPECS eMG80 provides one number service to users anywhere on any device. Users can have a consistent experience over multiple devices with seamless call control between devices. For example, when a user's master station receives a call, all devices will receive the call simultaneously. With one number service, users can experience business communication's continuity.

## Simple Deployment and Management

iPECS eMG80 is well organized with multiple levels of user-friendly administration tools. With an enhanced Installation wizard and Web-admin, IT managers can deploy and manage the system with ease. With intuitive and customizable Web-Admin, users can program and maintain the system via local or remote connection. In addition, an embedded system monitoring service has various alarm services. System alarm events and in-advance alerts can be notified to a pre-assigned email so that the system can be managed in an appropriate way. (Alarm from external alarm relay contacts, Emergency call notification, Bath alarm, Fault information, Capacity full and License expiration etc.) Also, there is a 'Web User Portal' for end-users to deliver fast customization by themselves. End-users can easily set up basic personal settings (Call Forward, Mobile Extension, Message, Voice Mail, Station Name etc.) anywhere via desktop or even on a mobile.

## Empower Your Business with Compact Hybrid UC Platform



- Cost Effective Hybrid Platform
- Easy Migration to IP
- Max 74 Trunks/140 Extensions
- Embedded VoIP : Max 16 channels
- Embedded UC applications
- Mobility Solution for Mobile Office

# iPECS UCS Feature Introduction

iPECS eMG80 provides various UC solution features with built-in or external type UCS Server and Client.



# Applications for Business Performance

Every business has different communications needs and meeting these needs is critical for your business communications solution. iPECS eMG80 offers various applications and mobile clients for you to fulfill the different needs and requirements of your business.



## iPECS UCS Standard Highlight\*

<b>UCS Standard (Built-in)</b> No additional H/W server and installation	<b>Rich Presence &amp; IM</b> Mobile presence and personal status	<b>High Quality Video Call</b> One-to-one video call from UCS Desktop and Mobile client	<b>Desktop Client (Windows/Mac)</b> Intuitive User Interface for ease of use	<b>Mobile Client (Android/iOS)</b> Includes video call support
---	--	--	---	---

\* iPECS UCS Premium provides more advanced features and collaboration tools with external UCS server. Please refer to 'iPECS UCS Datasheet' for more details of iPECS UCS Premium

## Integrated Presence

- Instant decision on reachability by status color
- Save time and cost through real-time communications with people who are available for collaboration
- Integrated DND setting is available for both iPECS UCS client and desk phone at the same time

## Instant Messaging, SMS and Note

- Various chatting mode (1:1, 1:N, Ad-hoc)
- Inviting others by drag and drop
- Packet encryption by AES
- Send and receive text message to other internal iPECS system or external SMS users
- Leave a note for offline iPECS UCS user

## Audio Call & Conference

<Audio Call>

- Call popup : Display caller's information based on CID
- MS Outlook popup : Display caller's contact information in MS Outlook based on CID
- Call memo : Note important information during a call

<Audio conference>

- Based on built-in audio conference system
- Easy conference building by graphical user interface and drag and drop
- Conference control features : Invite, Remove, Mute, Changing Master, Record

## Video Call

- Build face to face conference at anytime, anywhere
- Video resolution : QCIF, CIF, VGA, 4CIF (704 x 480/576)

## Click to Call

- Easy dialing in web and windows application
- ① Capturing numbers by mouse dragging
- ② Call in the Quick Call Control Bar or the Call Assistance

## Call Control

- Call control in bound desk phone on iPECS UCS desktop client
- Most call control function can be executed by one click or drag and drop (Answer/Drop/Deny/Transfer/Hold/Park)
- Flexible button sync between deskphone and UCS desktop client\*
- \* Support only in UCS call control client

## Visual Voice Mail

- Automatic synchronization with system voice mail board
- Non serial access to a message
- Supporting in desktop client and mobile client

## CRM Integration

- Support integration with wide range of CRMs (MS Dynamics CRM, Salesforce.com, LDAP, etc.)
- Dialing (Click call) straight from your CRM, accounts package, website or any desktop application
- Show name of caller in preview window and CRM screen pop-up
- Simultaneous search of multiple address books
- Support URL based CRM



iPECS Attendant Office



iPECS Attendant Hotel



iPECS IPCR



iPECS ClickCall

## iPECS Attendant Office

- IP based Attendant application for quick and easy call handling
- Easier management of call handling : Ease of use for an attendant, Quick and easy call handling with simple clicking or drag and drop
- Wait time and priority based call handling with caller information
- Phone and status presence based call routing
- Embedded IP softphone : Various call features of iPECS platform
- Directory service/phonebook management
- Productivity enhancement features :
  - Video call, Conferencing, Call recording, Text messaging, E-mail notice, Emergency call monitoring, etc.

## iPECS Attendant Hotel

- Hotel solution optimized for small to medium sized hotels
- Effective front desk and staff work
- Maximize guest service
- Effective Call Management
- Productivity features :
  - Various Hotel features
  - Various and quick alternative contacts
  - Local language support
  - Flexible and configurable layout and user interface
  - Statistic report and Snapshot of group monitoring

## iPECS IPCR

- Optimized and integrated IP Call Recording solution
- Simple and cost effective solution designed by a single vendor
  - Single IP connection for all call and all terminal recording
  - Cost effective single server call recording
  - Support server redundancy
- Powerful value added features
  - Voice packet encryption and call recording at the same time
  - Flexible deployment without limiting functionality
  - Agent monitoring
  - Remote maintenance and automatic alarming
- Intuitive user interface
  - Users can easily access the recording files over web browser
  - Intuitive graphical display
  - Powerful statistics features with real time graphic view and search options
  - User base access level management

## iPECS ClickCall

- Standard windows application for easy dialing
- Click to call from any selectable number in Windows application
  - Easy dialing of selectable number from Windows applications
  - Show dialed call log up to 10
  - Exit/Setup only through the icon in Windows tray
  - Setup dialing information
  - Multi language support
- Call control client without voice module
- Easy installation : Simple call client without dedicated server



iPECS CCS

## iPECS CCS

Multi-channel IP Contact Center solution

- Contact Center solution integrated with iPECS platforms
  - Seamless and tighter integration with iPECS eMG80
  - Constant development path for iPECS CCS
  - Valuable packaging with other applications
  - iPECS IPCR is provided for a call recording
- Best suite for small and medium sized Contact Center
  - Cost effective bundles for basic contact center with iPECS Platforms
  - Easy installation and operation with intuitive and simple functions
- Benefits of all software solution
  - Software based media processing through SIP
  - No PSTN media interface card
- Next generation single multimedia solution
  - Email, Voice Mail, Fax, Web chat
  - Social interface (Twitter, Facebook)
  - Multimedia outbound Tele-Marketing



iPECS Report Plus

## iPECS Report Plus

- Real-time monitoring and reporting for small sized Contact Centers
- Call distribution based on built-in ACD functionalities of call server
  - Saving and displaying call accounting and ACD data generated from call server
  - Real-time information display for supervisor and management
  - Personal statistics for agent reporting and performance review
  - Agent Control by supervisor in Agent Web Client
  - iPECS IPCR is provided for a call recording

## iPECS RCC Gateway – MS Lync/SfB Integration

Cost effective solution to use iPECS voice in MS Lync/SfB

- 2 types of iPECS RCC client
  - RCCV-RCC (Remote Call Control), RCCV-VC (SIP Voice Client)
- RCC Mode for desktop phone call control solution : MS Lync/SfB with iPECS RCCV Client and desktop phone
  - Remote call control for iPECS desktop phones in iPECS RCCV Client
  - Desktop phone status updated to MS Lync/SfB presence
- VC Mode for SIP voice communication solution : MS Lync/SfB with iPECS RCCV Client
  - iPECS RCCV Client as a SIP extension
  - No iPECS RCC Gateway needed
  - MS Lync/SfB calls for MS Lync/SfB clients
  - iPECS RCCV Client soft phone status updated to MS Lync/SfB presence



iPECS RCC Gateway - MS Lync/SfB Integration



iPECS NMS

## iPECS NMS

A powerful web based Network Management tool designed to improve operation efficiency, permit rapid response to system alarms, and access remote, use statistics and alarm notification

- Fault management and real time system monitoring
- Web based client access
- Traffic statistics

# Terminals

iPECS eMG80 supports an extensive range of terminals such as Digital and IP phones, SIP phones, DECT, and Mobile Client. These terminals are designed for business users who require a range of feature-rich telephony devices to match your constantly changing business needs. iPECS eMG80 gives you access to a large portfolio of terminals and clients to suit your unique business telephony needs.

## IP Phones



### LIP-9071

- 7 inch LCD with Touch screen
- HD Video call
- Gigabit support
- Built-in Camera
- Bluetooth/Wi-Fi dongle support
- Built-in HDMI interface
- NFC Tagging support
- Android OS



### LIP-9070

- 7 inch TFT color touch LCD
- WVGA resolution
- Soft flexible buttons : 30
- Gigabit support
- 1.3M pixel CMOS camera
- Video calls with iPECS video clients
- Android OS



### LIP-9040

- 8 Line Gray graphic LCD with White backlight
- 36 Programmable feature key with LCD underlay and 3 color LED
- PoE(802.3af) Support
- Open VPN
- LLDP-MED/802.1x Security
- 10/100/1000BASE-T 2 ports



### LIP-9030

- 6 Line Gray graphic LCD with White backlight
- 24 Programmable feature key with 3 color LED
- PoE(802.3af) Support
- Open VPN
- LLDP-MED/802.1x Security
- 10/100/1000BASE-T 2 ports



### LIP-9020

- 4 Line Gray graphic LCD with White backlight
- 10 Programmable feature key with 3 color LED
- PoE(802.3af) Support
- Open VPN
- LLDP-MED/802.1x Security
- 10/100/1000BASE-T 2 ports



### LIP-9010

- 3 Line Gray graphic LCD White backlight
- 5 Programmable feature key with 3 color LED
- PoE(802.3af) Support
- Open VPN
- LLDP-MED/802.1x Security
- 10/100BASE-T 2 ports



### LIP-9008/8G

- 4 Line Gray graphic
- 8 Programmable feature key with LED
- PoE(802.3af) Support
- Open VPN
- LLDP-MED/802.1x Security
- 10/100 BASE-T 2 ports
- 10/100/1000\* BASE-T 2 ports
- \* Support only LIP-9008G



### LIP-9002

- 2 Line Gray graphic
- 4 Programmable feature key with LED
- PoE(802.3af) Support
- Open VPN
- LLDP-MED/802.1x Security
- 10/100 BASE-T 2 ports



### LIP-8050E

- 4.3" Wide Color Graphic screen
- 5 Programmable feature keys
- USB interface
- LLDP-MED/802.1x/EAP-MD5
- VLAN, Open VPN support
- Gigabit support



### LIP-8040E

- Informative 9 Line backlight LCD
- User programmable 10 feature keys with LCD labeling
- BLF information with triple color LED
- Professional headset integration via RJ11
- LLDP-MED/802.1x
- Open VPN support
- Gigabit support



### LIP-8024E

- 4 Line backlight LCD
- User programmable 24 feature keys
- BLF information with triple color LED
- LLDP-MED/802.1x
- Open VPN support
- Gigabit support



### LIP-8012E

- 3 Line backlight LCD
- User programmable 12 feature keys
- BLF information with triple color LED
- Gigabit support
- High quality voice codecs
- Enhanced quality conference call
- LLDP-MED/802.1x
- Open VPN support



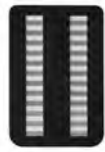
### LIP-8008E

- 4 Line LCD
- User programmable 8 feature keys
- BLF information with triple color LED
- Enhanced quality conference call
- High quality voice codecs
- LLDP-MED/802.1x



### LIP-8002E/AE

- 2 Line LCD, Grey scale graphic display
- User programmable 4 feature keys
- LLDP-MED
- LIP-8002E(PoE support)
- LIP-8002AE(Adapter support)

**LIP-9048DSS**

- Support : LIP-9020/30/40/71
- Flexible button : 48 with 3 color LED
- Underlay type : Paper
- DSS connection : Up to 2

**9070 DSS48**

- Support : LIP-9070
- Flexible button : 48
- Underlay type : Paper
- DSS connection : Up to 2

**LIP-9024LSS**

- Support : LIP-9020/30/40/71
- Flexible button : 12 with 3 color LED and 2 page button
- Underlay type : LCD
- LSS connection : 1

**LIP-9024DSS**

- Support : LIP-9020/30/40/71
- Flexible button : 24 with 3 color LED
- Underlay type : Paper
- DSS connection : 1

**LIP-9012DSS**

- Support : LIP-9020/30/40/71
- Flexible button : 12 with 3 color LED
- Underlay type : Paper
- DSS connection : 1

**LIP-8048DSS**

- Support : LIP-8012E/24E/40E/50E
- Flexible button : 48
- Underlay type : Paper
- DSS connection : Up to 4

**LIP-8040LSS**

- Support : LIP-8012E/24E/40E/50E
- Flexible button : 40
- Underlay type : LCD
- LSS connection : Up to 4

**LIP-8012LSS**

- Support : LIP-8012E/24E/40E/50E
- Flexible button : 12
- Underlay type : LCD
- LSS connection : Up to 2

**LIP-8012DSS**

- Support : LIP-8012E/24E/40E/50E
- Flexible button : 12
- Underlay type : Paper
- DSS connection : Up to 2

**LIP-9000BTMU**

- Support : LIP-9010/20/30/40
- Optional module
- Bluetooth V2.1+EDR
- Support smart phone and headset

**E-BTMU**(Bluetooth Dongle)

- Support : LIP-8000E Series
- Optional module
- Bluetooth v2.1 + EDR
- Support smart phone and headset

**EHSA** (Electronic Hook Switch Adaptor)

- Support : LIP-9040/30/20/10
- Compatible with Plantronics and Jabra
- Package of EHSA&Foot stand

**Digital Phones****LDP-9240D**

- 320 X 144 graphic LCD with backlit
- 12 Flexible buttons (Dual LED, 12 X 2)
- Full duplex speaker phone
- Support DSS button kit
- Support EHS

**LDP-9224DF**

- 192 X 36 graphic LCD with backlit
- 24 Flexible buttons(Dual LED)
- Full duplex speaker phone
- Support DSS button kit
- Support EHS

**LDP-9224D**

- 3 X 24 character LCD without backlit
- 24 Flexible buttons(Dual LED)
- Half duplex speaker phone
- Support DSS button kit
- Support EHS

**LDP-9208D**

- 2 X 24 character LCD without backlit
- 8 Flexible buttons(Dual LED)
- Half duplex speaker phone
- No Support DSS Button Kit

**LDP-9030D**

- 3 Line LCD with high visibility backlighting
- 7 Flexible buttons
- 30 Programmable buttons
- 3 soft keys
- Wall mountable
- More extension handling with optional DSS

**LDP-9008D**

- 2 Line LCD
- 7 Flexible buttons
- 8 Programmable buttons
- Wall mountable
- Enhanced high quality conference calling
- Flexible desktop configuration options via tilting handset

**LDP-7024LD**

- 9 Line LCD
- 24 Flexible buttons
- 7 Fixed buttons
- 3 Soft buttons
- Navigation button
- Additional device port for SLT/FAX
- Call recording
- Speaker phone
- Wall mountable
- Optional Bluetooth

**LDP-7024D**

- 3 Line LCD
- 24 Flexible buttons
- 7 Fixed buttons
- 3 Soft buttons
- Navigation button
- Additional device port for SLT/FAX
- Call recording
- Speaker phone
- Wall mountable
- Optional Bluetooth

**LDP-7016D**

- 3 Line LCD
- 16 Flexible buttons
- 7 Fixed buttons
- 3 Soft buttons
- Navigation button
- Additional device port for SLT/FAX
- Speaker phone
- Wall mountable

**LDP-7008D**

- 2 Line LCD
- 8 Flexible buttons
- 5 Fixed buttons
- Speaker phone
- Headset Jack

**LDP-7004D**

- 1 Line LCD
- 2 Flexible buttons
- 5 Fixed buttons
- OHD(On-hook Dialing)
- Message waiting lamp

**LDP-7004N**

- 2 Flexible buttons
- 5 Fixed buttons
- OHD(On-hook Dialing)
- Message waiting lamp

**LDP-9248DSS**

- Support : LDP-9224DF/24D
- Flexible button : 48 with 3 color LED
- Underlay type : Paper
- DSS connection : Up to 2

**LIP-9024DSS**

- Support : LDP-9240D/24DF
- Flexible button : 24 with 3 color LED
- Underlay type : Paper
- DSS connection : 1

**LIP-9012DSS**

- Support : LDP-9240D/24DF
- Flexible button : 12 with 3 color LED
- Underlay type : Paper
- DSS connection : 1

**LDP-9048DSS**

- Support : LDP-9030D
- Programmable button : 48
- Underlay type : Paper
- DSS connection : Up to 5

**EHSA**(Electronic Hook Switch Adaptor)

- Support : LDP-9240D/24DF/24D
- Compatible with Plantronics and Jabra
- Package of EHSA&Foot stand

**DECT Phones****GDC-800H**(IP DECT)

- Product set : GDC-800H (Handset), GDC-800Bi(Base), and GDC-800R(Repeater)
- 2 inch color LCD with backlight
- Polyphonic ringtone
- 25 call list storage capacity
- 100/200 phonebook (Local/Central)
- Emergency key
- Duplex speaker phone
- Headset jack
- 16 languages

**GDC-500H**

- Product set : GDC-500H (Handset), GDC-600BE/B, GDC-400B(Base)
- 2 inch color LCD
- Max 24 Cells, 6 Calls/Cell (600BE)
- Scanning 5 base stations as candidates for handover
- Bluetooth support
- Emergency button
- 7 languages

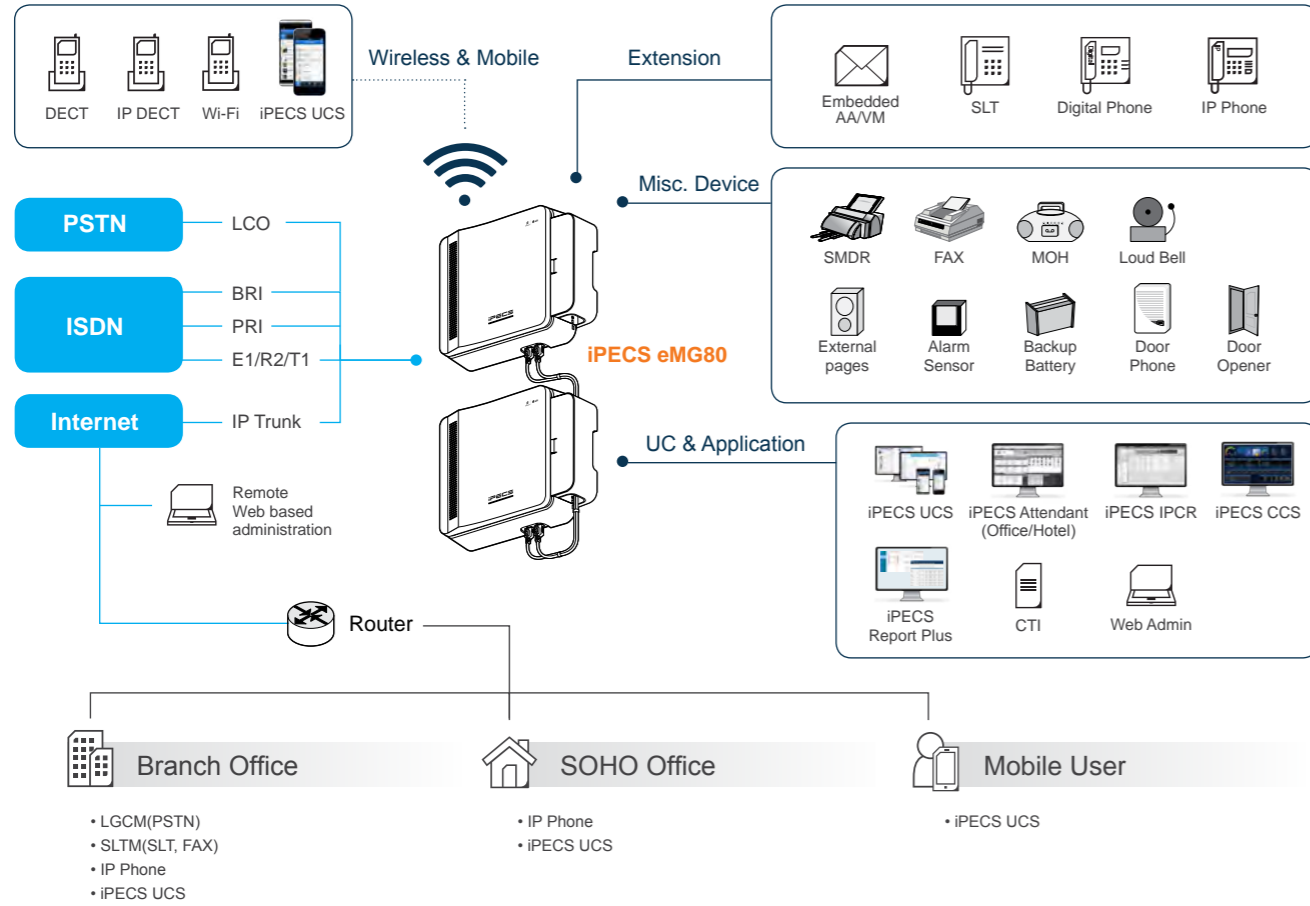
**GDC-480H**

- Product set : GDC-480H (Handset), GDC-600BE/B, GDC-400B(Base)
- 2 inch color LCD
- Max 24 Cells, 6 Calls/Cell (600BE)
- Scanning 5 base stations as candidates for handover
- Emergency button
- 7 languages

**WIT-400HE**

- 2 line, 2" color LCD(176 X 220)
- 802.11 b/g, 802.11e for WLAN QoS
- Supporting iPECS system call features
- G.722 wideband codec support for better voice
- PTT for group announcing, SMS
- Seamless handover between cells during talk

# Platform for Communications



# Port Configuration

KSUA / KSUI / KSUAD / KSUID+EKSU

	KSU	EKSU	Max
<b>Trunks</b>	<b>36/62/36/62</b>	<b>12</b>	<b>48/74/48/74</b>
Max Ports	36/62/36/62	12	48/74/48/74
Analog/BRI trunk	12	12	24
PRI/T1	-/30-/30	-	-/30-/30
IP trunk(SIP/H.323)	16	-	16
Remote Gateway	8	-	8
<b>Extensions</b>	<b>104*/104/108**/108</b>	<b>32</b>	<b>136/136/140/140</b>
Max Ports	104*/104/108**/108	32	136/136/140/140
SLT	31/31/28/28	32	63/63/60/60
Digital	24	24	48
Hybrid(SLT or Digital)	23/23/16/16	24	47/47/40/40
IP/MEX	32	-	32
DECT	48	-	48
UC Desktop / Mobile	32	-	32
IP ATD	5	-	5
<b>VM channel</b>	<b>8</b>	<b>-</b>	<b>8</b>
Built-in	8	-	8
with VVMU	16	-	16
<b>VoIP channel</b>	<b>8</b>	<b>-</b>	<b>8</b>
Built-in	8	-	8
with VVMU	16	-	16
BHCC	-	-	14,000

\* HYB(8) + DECT(48) + SLIB(16) + IP PHONE(32) = 104

\*\* DSIB(12) + DECT(48) + SLIB(16) + IP PHONE(32) = 108

# Product Components

Item	Board	Description
Basic KSU	KSUA	4 CO, 1 DKT and 7 Hybrid Interfaces Voice Mail(Default : 2 ch/1 hr, Max : 16 ch/32 hrs with MEMU/VVMU, 16 ch/77 hrs with MEMU2/VVMU) VoIP(Default : 2 ch, Max : 16 ch with VVMU) Built-in UCS Desktop/Mobile, Built-in ClickCall : Default 2/2, 2 copy
	KSUAD	4 CO, 8 DKT and 4 SLT Interfaces Voice Mail(Default : 2 ch/1 hr, Max : 16 ch/32 hrs with MEMU/VVMU, 16 ch/77 hrs with MEMU2/VVMU) VoIP(Default : 2 ch, Max : 16 ch with VVMU) Built-in UCS Desktop/Mobile, Built-in ClickCall : Default 2/2, 2 copy
	KSUI	1 DKT and 7 Hybrid Interfaces Voice Mail(Default : 2 ch/1 hr, Max : 16 ch/32 hrs with MEMU/VVMU, 16 ch/77 hrs with MEMU2/VVMU) VoIP(Default : 2 ch, Max : 16 ch with VVMU) Built-in UCS Desktop/Mobile, Built-in ClickCall : Default 2/2, 2 copy
	KSUID	8 DKT and 4 SLT Interfaces Voice Mail(Default : 2 ch/1 hr, Max : 16 ch/32 hrs with MEMU/VVMU, 16 ch/77 hrs with MEMU2/VVMU) VoIP(Default : 2 ch, Max : 16 ch with VVMU) Built-in UCS Desktop/Mobile, Built-in ClickCall : Default 2/2, 2 copy
Expansion KSU	EKSU	4 CO and 8 Hybrid
Trunk/Extension Interface Boards	eMG80-CH204	2 CO Line and 4 Hybrid Interface Board
	eMG80-CH408	4 CO Line and 8 Hybrid Interface Board
	eMG80-CS416	4 CO Line and 16 SLT Interface Board
	eMG80-BH104	1 BRI(2B+D) and 4 Hybrid Interface Board
	eMG80-BH208	2 BRI(2B+D) and 8 Hybrid Interface Board
	eMG80-HYB8	8 Hybrid Interface Board
	eMG80-SLB16	16 SLT Interface Board
	eMG80-PRIU	1 PRI/E1/R2 or T1(30 ch or 24 ch) Interface Unit
eMG80-BRIU2	2 BRI(2B+D) Interface Unit	
eMG80-WTIB4	4 Wireless Terminal Interface Board(4 Base station, 6 ch per base)	
Function/Accessory Boards	eMG80-VVMU*	Resource Unit for Voice Mail, Voice Mail Storage and VoIP Channel Max VM/VoIP 4 ch/8 ch or 8 ch/4 ch, VM storage 1 hour default plus 15 hours by license - Licenses required for VM, VoIP channel and VM storage
	eMG80-MEMU	Memory Expansion Module Unit for VM(15 hours)
	eMG80-MEMU2	Memory Expansion Module Unit for VM(60 hours)
	eMG80-MODU	Modem Unit
	MG-CMU4	4 Call Metering Unit, 4 channel daughter board for MBU, EMBU and analog CO Line Interface Boards
eMG80-RMB	19" Rack Mounting Bracket(Optional)	

\* Both built-in DSP and VVMU's DSP of iPECS eMG80 are commonly used for VM and VoIP channels.(Max VM/VoIP 4 ch/8 ch or 8 ch/4 ch)

# Specifications

Item	Description	Specification
PSU	AC Voltage Input	100~240 +/- 10% Volt AC @ 47-63 Hz
	AC Power Consumption	90 Watts
	AC Input Fuse	2A @ 250 Volt AC
	DC Output Voltage	+5, -5, +27, +30 Volt DC
External Backup Battery	Input Voltage	+24 Volt DC(+12 VDC x 2 each KSU)
	Battery Fuse	5.0A @ 250 Volts AC, 5AG
	Charging Current	Max 200 mA
	Battery Load Current	Max 3A(KSU only), Max 6A(KSU+ EKSU)
Operating Environment	Temperature	0(C) - 40(C)/32(F) - 104(F)
	Humidity	0 - 80%(Non-condensing)
Dimension	KSU	307 mm(W) x 294 mm(H) x 126.6 mm(D)
	Expansion KSU	307 mm(W) x 294 mm(H) x 126.6 mm(D)
Weight	KSU	2.03 Kg
	Expansion KSU	1.99 Kg