

# iPECS

Your Communications Solution

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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: +82-31-8054-6607  
[www.ericssonlg-enterprise.com](http://www.ericssonlg-enterprise.com)  
[www.iPECS.com](http://www.iPECS.com)

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# Innovative Hybrid Communication Platform **iPECS eMG800**



**iPECS**  
Your Communications Solution





Is your company considering a transition to IP Telephony? Do you wish to adopt the latest IP technology while keeping your investment on traditional telephony environment? iPECS eMG800 responds to your SME needs enabling both IP telephony and TDM system functionality with its flexible IP converged capabilities. iPECS eMG800 is a highly reliable, extensible and feature-rich business platform that integrates your PSTN, IP and mobile networks providing you with improved business productivity.



## EASY AND COST EFFECTIVE MIGRATION SUPPORT, TDM TO IP NETWORK

iPECS eMG800 is a highly reliable, extensible and feature-rich business platform that integrates your PSTN, IP and mobile networks providing you with improved business productivity. As a hybrid system, iPECS eMG800 supports complete single network IP solutions as well as mixed deployments consisting of IP phones and valuable applications. Businesses select the perfect combination of IP, digital or single line phones including UC solutions and analog, digital or IP lines based on their infrastructure need.

A smooth migration from TDM based environment to a single IP network is eased with iPECS eMG800 enabling your small to mid-sized business to protect your investment and seamlessly migrate to an IP converged world when it works best for your business. iPECS eMG800 platform simultaneously supports IP and traditional business sets to support a single IP network or mixed network (TDM & IP) solution.

Whether you're ready for convergence today or a year from now, your options will be open and investment will be secure.

## PRODUCTIVITY ENHANCEMENT OF YOUR BUSINESS WITH UNIFIED COMMUNICATIONS

In the business, you need to constantly improve business productivity. iPECS eMG800 is the core platform, and iPECS UCS is application that provides Unified Communications through linkage with iPECS eMG800. iPECS UCS gives benefit to SME customer as built-in simple UC. And for enterprise customer, iPECS UCS can be expand seamlessly rich UC feature as users needs. iPECS eMG800 brings together various applications and communication tools so you can easily work and serve your customers effectively.

iPECS UCS Client is an intuitive desktop and mobile application designed for SME users so they can easily collaborate with colleagues. Wherever you are, you are able to reach the resources needed for efficient communications. With the click of your mouse, iPECS UCS Client instantly accesses shared resources such as a central company directory and schedule synchronization. Using the presence information reduce communication latency and communicate with others in the most appropriate format, Instant Message, Voice call, video conference, SMS and more. Share applications and files to review the latest information such as sales records and improve decision making and response time.

iPECS UCS simplifies your business communications and improves productivity by linking voice and other communications aware applications under a single intuitive user interface.

## SIMPLE AND EASY MANAGEMENT

The iPECS eMG800 simplifies communications with a high quality hardware platform offering your business all the benefits of rich features and a broad range of capabilities with easy to use and simplified management.

With a simple, straight-forward web management based on HTML5, IT managers can install easily and changes the configuration simply. IT managers appreciate the ability to locate where iPECS solutions are needed without clumsy and difficult configuration limits.

# Maximizing cost and communication effectiveness for SME

Innovative hybrid platform, iPECS eMG800



iPECS eMG800 is Ericsson-LG Enterprise's response for SME Challenges and needs. The result is an optimized SME solution built from the common challenges of SMEs in mind such as: Growth, Flexible IP converged capabilities, Unified Communications, Ease of use, Mobility, Single management, Scalability, Reliability and Cost-effectiveness, etc.

## Easy and economical UC

iPECS UCS Standard server is built in eMG800. Users can use video, IM, audio conference, visual voice mail, as well as voice calls on one platform. An external server, iPECS UCS Premium server provides more various collaboration features.

## Multi-Tier Mobility

iPECS UCS mobile client, Mobile Extension, DECT, and Wi-Fi terminals are optimized to iPECS eMG800. Mobile communications are available both in and out of the office.

## Simple installation and management

Web management (i.e. install wizard) based on HTML5 helps the administrator can install easily and changes the configuration simply.



## Advanced telephony features and applications support for your business

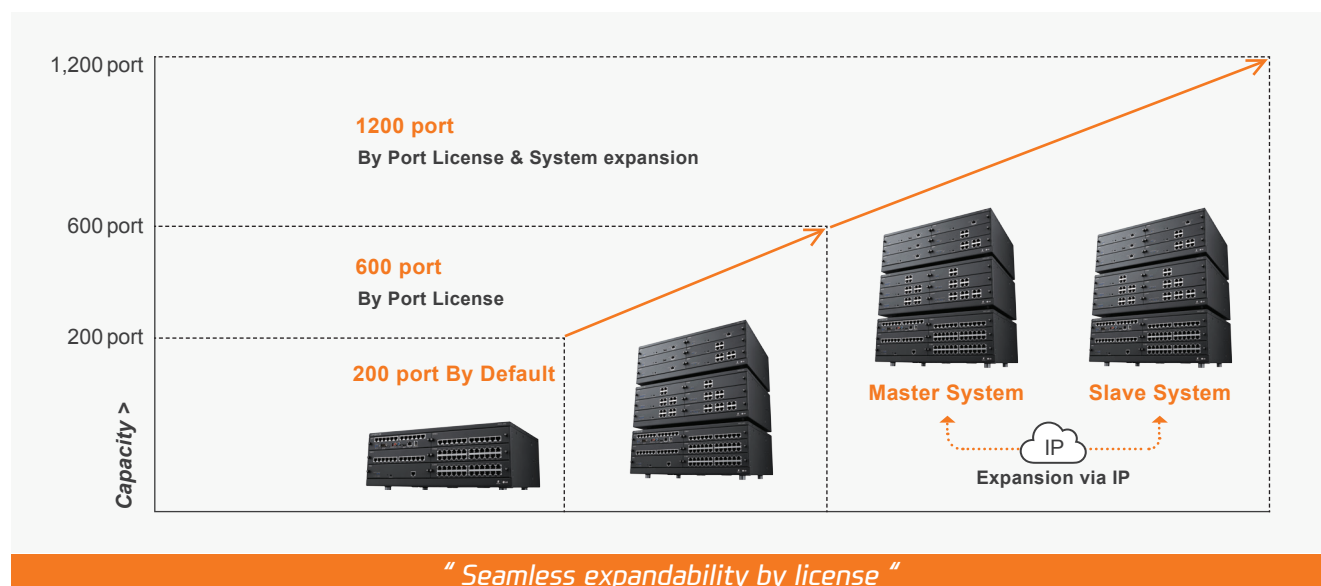
Pre-packaged embedded features and applications increases business competitiveness with effective communications at less costs. Those enhanced features and applications help users build an unified and efficient communications solution fit for user's business situation.

## High-capacity VOIP with enhanced IP features

iPECS eMG800 supports complete single network IP solutions with high-capacity VoIP to protect your investment and seamlessly migrate to an IP converged world as an innovative Hybrid platform.

## Seamless expandability with cost-effectiveness

iPECS eMG800 secures your investment with simple and flexible expandability. Basic capacity is 200 port, and also it is expandable upto 1200 ports by a simple system expansion.





# Empowered Feature Set

Built-in system feature set and UC server provide various applications and features to meet the variety of customer's needs



## One number service

iPECS eMG800 provides one number service to users anywhere and any devices. Users have consistent user experience over multiple devices (maximum 32 including your master device) with seamless call control between devices. When user's master station receives a call all members also receive the call.

## Embedded Voice Mail

Voice Mail is built in iPECS eMG800 and it supports various voice mail features such as Multi language Auto Attendant, VM Cascading, E-mail Notification of voice mail, Integration with UCS clients and more.

## Embedded ACD

iPECS eMG800 provides intelligent ACD engine by default which offers 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.

## Embedded Hotel Features

iPECS eMG800 provides embedded hotel features and PMS interface. It supports standard hotel features like Check-in/out, Room status, Billing, Emergency call, Wake up, Register mini-bar information in room and Customer information. License is required for hotel features.

## Multi-Tier Mobility

iPECS eMG800 is maximized for Mobility solution. Users have multiple choice of mobility solutions for office and mobile environments. In the office, IP DECT, DECT and Wi-Fi Phone are available. For mobile worker, iPECS UCS Mobile Client provides rich communications features. Users can design own mobility solution as considering user's office environment.

## Multiple Call Handling

When user has incoming while on a call, user can take the call with the previous call on a hold and also can see the incoming call's CID on Desk phone. Users can experience a seamless communication through U-LOOP button. (One station can have maximum 48 number of U-LOOP buttons.)

## Deployment flexibility and survivability

Through IP Connection between Master and Slave systems, deployment flexibility and expandability are possible. Also, survivability is available through 2 system connection. Users can experience value of flexibility as deploying systems on same location or different location as well. For growing businesses, users can deploy more than 2 locations with T-NET feature.

## Powerful Call Handling Features

iPECS eMG800 provides more than 300 powerful features for call handling. Built-in ACD, Hot desking, Individual call routing, Incoming caller ID based call routing, Web call back and more.

## Simple and cost effective hybrid platform with embedded UC and rich business applications

Advanced  
Telephony  
Features

Embedded  
UC

Enhanced  
Applications

New  
Terminals

Easy  
installation  
and  
management

**Simplicity and cost effectiveness**

# iPECS UCS Feature Introduction

iPECS eMG800 provides various UC solution features with UCS server and client

## iPECS UCS highlight

### UCS Standard (Built-in)

No additional H/W server and installation

### Mobile Client (Android/iOS)

Including video call support

### High quality Video Conferencing

Max six party video conference, sharing for document, desktop, and application

### Rich Presence & IM

Mobile presence and personal status based on Outlook schedule

### Outlook Integration

Outlook calendar, click to call from Office application

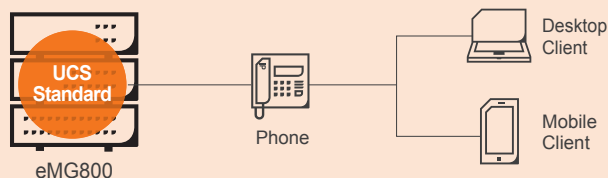
※ UCS features are different depending on standard and premium version.

## iPECS UCS server types

### ► Type 1

#### UCS Standard (Built-in)

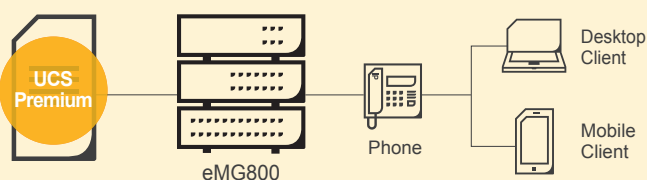
- Built in UCS Server in eMG800
- Cost saving for H/W server & OS



### ► Type 2

#### UCS Premium (External)

- External UCS server
- Advanced features and collaboration tools



## UCS Standard vs UCS Premium

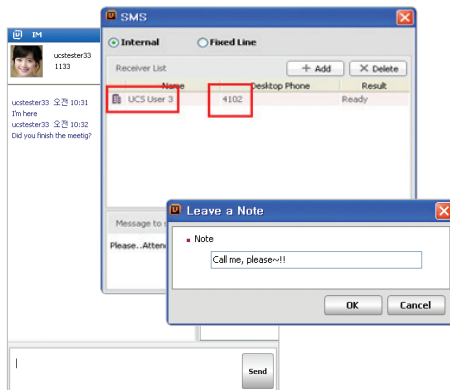
Features		Standard	Standard Call Control	Premium	Premium Call Control
Max Registration & Concurrent Login	eMG800 eMG800 with Expansion System	200		600	
Presence		O	O	O	O
Presence registration		50	50	200	200
IM		(1:1)xN	(1:1)xN	(1:N)xN	(1:N)xN
Audio Call		O	-	O	-
Video Call		O	-	O	-
Click to call		O	O	O	O
Call Control		O	O	O	O
Visual Voice Mail		O	O	O	O
Audio Conference Manager		O	O	O	O
Supporting Active Directory		-	-	O	O
Outlook synchronization		Contact	Contact	Contact / Schedule	Contact / Schedule
MS Exchange Integration		-	-	O	O
Organization chart		-	-	O	O
6-Party Video Conference		-	-	O	-
Collaboration		-	-	O	O

# iPECS UCS Main Features

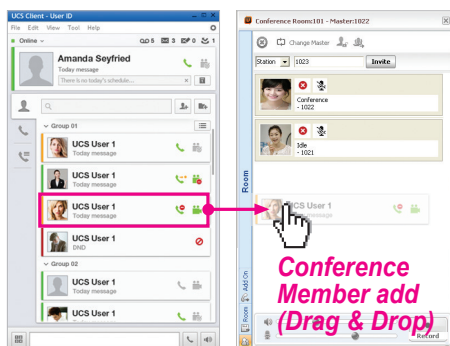
iPECS UCS provides UCS standard type for SME and UCS premium type for Enterprise business. As all features designed for business size, customer can experience efficient investment as growing business.



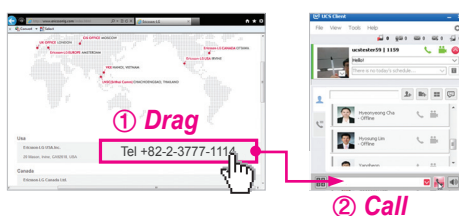
Integrated Presence



Instant Message/SMS/Note



Audio Call & Conference



Click call

## Integrated Presence

- Instant decision on reachability is available by presence information
- Save time and cost with available people
- Integrated DND which block UCS and Phone at the same time

## Instant Messaging, SMS and Note

- IM : Various chatting mode, Inviting others by drag & drop
- SMS : Send and receive text message to other internal iPECS eMG800 system users or \*external SMS users (\*Need to be supported fixed line SMS by system)
- Note : Leave a note for offline UCS user

## Audio Call & Conference

<Audio Call>

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

<Audio conference> : GUI Based Audio Conference Manager

- Built-in audio conference system
- Graphical user interface : Support drag & drop function
- Various features for conference control

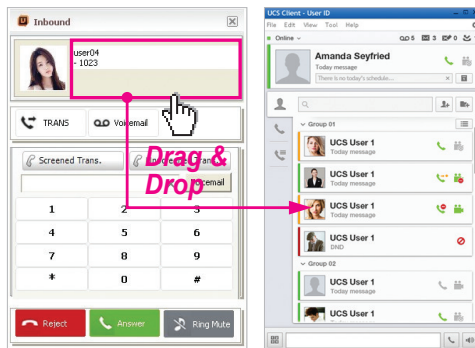
## Video Call & Conference

- Build face to face conference at anytime and anywhere
- Maximum 6 party, 8 group video call & conference
- Video Resolution : QCIF, CIF, 4CIF (704x480/576)
- Ad-hoc Conference
- Meet-me conference and e-mail notification
- Application sharing during conference
- Remote monitoring, Still shot, Recording voice & video
- Presentation mode(1:32)

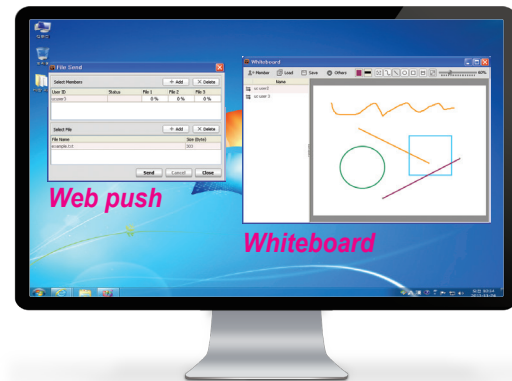
## Click call

- Easy dialing in Web browser and Windows application
- ① Capture numbers by drag
- ② Call in the Quick Call Control Bar or the Call Assistance





Call Transfer



Collaboration

## Call Control

- Easy and simple call control on UCS desktop client
- Most call control functions can be executed by one click or drag & drop (Answer / Drop / Deny / Transfer / Hold / Park)

## Collaboration

- File Send
- Program sharing : Share documents & Desktop screen with other UCS users
- Web push : Share web page address with other UCS users
- Whiteboard : Share drawings and free-form text

## Visual Voice Mail

- Automatic synchronization with system Voice Mail board
- Easy voice mail management : Non serial access to a message
- Desktop client and mobile client support

## Organization chart

- Hierarchy tree view in organization table
- Member's presence status
- Relocate member view table
- Customize member view table
- Sort members by IM, phone status etc.
- Immediate refresh organization chart manually
- Periodic update organization chart by time setting
- User search by text

## Microsoft Exchange Server Integration

- Precise schedule synchronization with Exchange Server
- Outlook schedule synchronization with or without UCS login

## UCS Account Creation and Maintenance

- Automatic user creation & Synchronization from Active Directory
- User creation only one time
- Maintain the information consistency with Active Directory

## Outlook Synchronization

- Synchronization with MS Outlook contact with iPECS UCS users' Private Directory
- Support private option
- Easy dialing on MS Outlook contact

# Applications for Business Performance

Every business has different communications needs and meeting these needs is critical for your business communications solution. iPECS eMG800 offers various applications and mobile clients for you to fulfill different needs and requirements in your business



iPECS Attendant (Office)



iPECS Hotel PMS  
(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: Easy to be attendant, Flexible call handling
- Embedded IP Softphone: Various call features of iPECS platform
- Directory Management: Database management, Directory service and Phone book

## iPECS Hotel PMS (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

- Simpler and cost effective solution design by single vender
  - Single IP connection for all call & all terminal recording
  - Cost effective single server call recording
- 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 & 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 (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 Report Plus



iPECS RCC Gateway - MS Lync Integration



iPECS NMS

## iPECS CCS

Multi-channel IP Contact Center solutions integrated with iPECS Platforms

- CC solutions Integrated with iPECS platforms
  - Seamless and tighter integration with iPECS eMG800
  - Constant development path for iPECS CCS
  - Valuable packaging with other applications
- Best suite for small & 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 multi-media solution
  - Email, Voice Mail, Fax, Web chat
  - Social interface – Twitter, Facebook
  - Multi-Media Outbound Tele-Marketing

## iPECS Report Plus

Real-time monitoring and reporting for small Contact Center business

- Easy ACD agent management web based tool, Agent Web Client
- 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
- Call recording integrated with report in one interface

## iPECS RCC Gateway – MS Lync Integration

Cost effective solution to use iPECS voice in MS Lync

- MS EV connection
  - iPECS eMG800 works as a SIP gateway for Lync Enterprise Voice (EV)
- iPECS RCC Gateway
  - Cost effective solution to use iPECS voice in MS Lync
  - Remote call control for IP phone & Soft client on MS Lync client
  - IP phone presence share with MS Lync clients
  - Aiming to Extend MS Lync standard client to iPECS feature set through call control
  - Dual Ring scenario can be done when iPECS RCC Gateway and MS EV (from MS) are deployed together
  - Support Remote Call control on Office 365 Lync as well

## 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 alarmnotification

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

# Terminals

iPECS eMG800 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 eMG800 gives you access to a large portfolio of terminals and clients to suit your unique business telephony needs.

## IP Phones



### 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-9010

- 3 Line Gray graphic LCD White backlit
- 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-9020

- 4 Line Gray graphic LCD with White backlit
- 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-9030

- 6 Line Gray graphic LCD with White backlit
- 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-9040

- 8 Line Gray graphic LCD with White backlit
- 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-9070

- 7" TFT color touch LCD
- WVGA resolution
- Android OS
- Gigabit support
- Media play, picture viewer
- 1.3M pixel CMOS camera
- Video calls with iPECS video clients (UCS, LIP-8050V, Phontage)
- Soft flexible buttons : 48 for SIP / 30 for iPECS protocol



### LIP-9012DSS

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



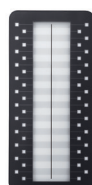
### LIP-9024DSS

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



### LIP-9024LSS

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



### 9070 DSS48

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



### LIP-9000BTMU

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





### LIP-8002E/AE

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



### 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 security support



### LIP-8012E

- 3 Line backlit 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 security support
- Open VPN support



### LIP-8024E

- 4 Line backlit LCD
- User programmable 24 feature keys
- BLF information with triple color LED
- More informative display with feature icons
- LLDP-MED / 802.1x security support
- Open VPN support
- Gigabit support



### LIP-8040E

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



### LIP-8050E

- 4.3" Wide Color Graphic screen
- 5 Programmable feature keys
- USB interface [USB 2.0]
- LLDP-MED / 802.1x / EAP-MD5
- VLAN, Open VPN support
- Gigabit support



### E-BTMU (Bluetooth Dongle)

- Optional Module
- Bluetooth v2.1 + EDR
- Support smart phone and headset



### LIP-8012DSS

- Support : LIP-8012E / 8024E / 8040E / 8050E
- Flexible button : 12
- Underlay type : Paper
- DSS connection : Up to 2



### LIP-8048DSS

- Support : LIP-8012E / 8024E / 8040E / 8050E
- Flexible button : 48
- Underlay type : Paper
- DSS connection : Up to 4



### LIP-8012LSS

- Support : LIP-8012E / 8024E / 8040E / 8050E
- Flexible button : 12
- Underlay type : LCD
- DSS connection : Up to 2



### LIP-8040LSS

- Support : LIP-8012E/8024E/8040E/8050E
- Flexible button : 40
- Underlay type : LCD
- DSS connection : Up to 4

## Digital Phones



### 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-7008D

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



### 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-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-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-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-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

※ For more information and DSS options, refer to a total brochure

## DECT Phones



### GDC-500H

- Protocol : Standard GAP + Ericsson-LG Proprietary
- Buttons : Easy access via 2 soft keys, 5 way navigation
- Languages : 7 languages (English, Italian, Spanish, Swedish, Russian, Turkey, German)
- Bluetooth : Yes (V2.1, headset profile)
- Speakerphone : Yes



### 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

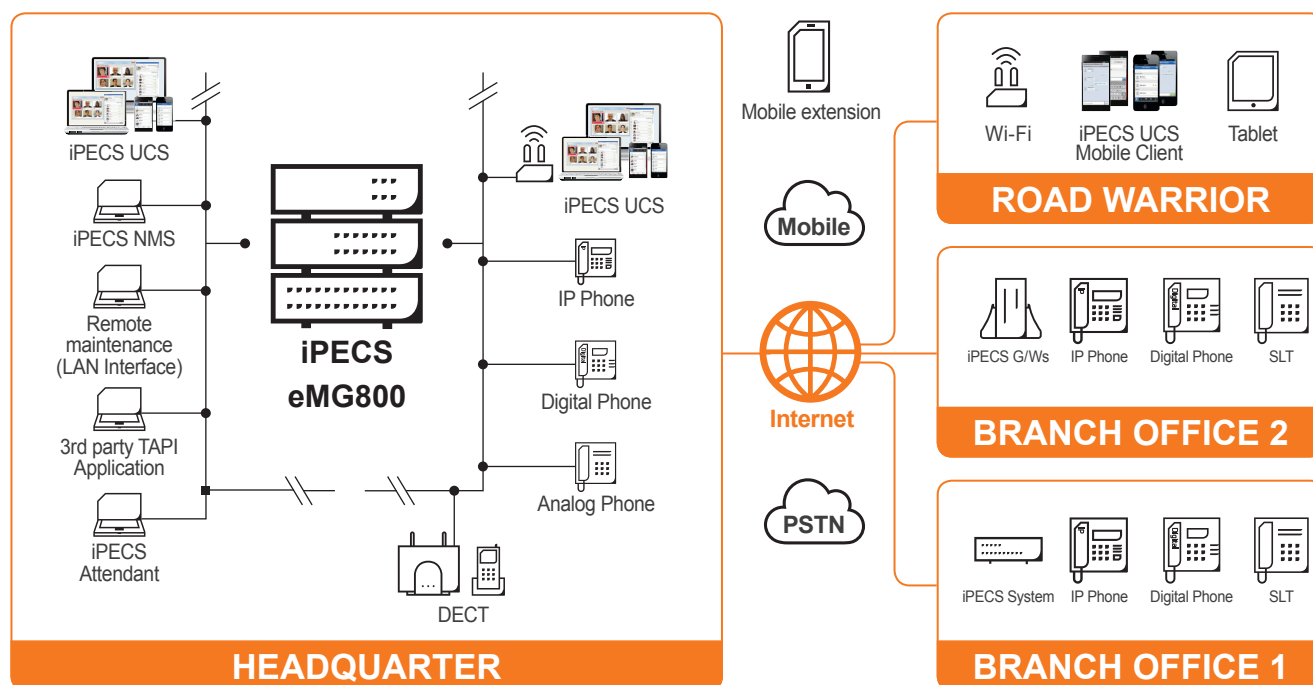
## Wi-Fi Phone



### WIT-400HE

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

# iPECS eMG800 Network



## Product Components

Category	Component	Description
Cabinet	eMG800-KSU	Basic KSU
	eMG800-EKSU	Expansion KSU
Power supply	MG-PSU	Power Supply Unit
Controller	eMG800-MPB	Main Processor Board with embedded DSU, VoIP and VM [DKT6+SLT6, AA : 4ch, VoIP : 4ch + 4ch(License)]
Function board	MG-DTIB12 / MG-DTIB24	12/24 Digital Phone Interface Board
	MG-SLIB12 / MG-SLIB24	12/24 SLT Interface Board
	MG-LCOB4 / MG-LCOB8 / MG-LCOB12	4/8/12 LCO Interface Board
	MG-PRIB	Digital Trunk Interface Board (1PRI or 1E1/R2)
	MG-BRIB2 / MG-BRIB4	2/4 BRI Interface Board (S0&T0 selectable, 4chs/8chs)
	MG-VMIB	Voice Mail Interface Board (8ch, 100hrs)
	MG-AAIB	Auto Attendant Interface Board (8ch)
	MG-VOIB8 / MG-VOIB24	8/24 Channel VoIP Interface Board
	eMG800-VOIB128	128 Channel VoIP Interface Board (Default 32ch)
	MG-WTIB4 / MG-WTIB8	4/8 Base Wireless Terminal Interface Board
Others	GDC-600BE	6 Channel DECT Base Station
	MG-MODU	MODEM Unit (33Kbps)
	MG-CMU4	4 Call Metering Unit (50Hz/12KHz/16KHz)
	MG-WMK	Wall Mount Bracket

\* For more information and other components, refer to an order information or others.

## System Capacity

		eMG800	eMG800 with Expansion System
Max system Ports		600	1,200
Trunk	Max Ports	536	600
	Analog	204	408
	PRI	360	600
	IP Trunk	360	600
Extensions	Max ports	600	1,200
	TDM Extension	420	840
	Digital	414	828
	Analog	414	828
	DECT		192
	IP		600
	Standard UC		200
	Premium UC		600
Integrated Telephony ports	Standard	6D + 6S	12D + 12S
VoIP Channel	Built-in VoIP	4Ch.	8Ch.
	Built-in VoIP Expansion	4Ch.	8Ch. w/ License
	System Max.	600	w/ VOIB 8/24/128
Built-in VM		4ch.	8Ch
Embedded UC	Default	5 copy for Desktop / 5 copy for Mobile	
	Max	200 copy for Desktop + Mobile	
Embedded Clickcall	Default	5 copy	
	Max	1,200 copy	
Attendant		5	
Serial Port(RS-232C)		1	
USB(3.0) Host Port		1	

## Specifications

Item	Description	Specification
PSU	AC Voltage Input	100 ~ 240 +/- 10% Volt AC @47~63Hz
	AC Power consumption	350W
	AC Input Fuse	6.3A @ 250Volt AC
	DC Output Voltage	+ 5, + 30Volt DC
External Backup Battery	Input Voltage	24Volt DC
	Battery Fuse	15.0A @250Volt AC
	Charging Current	Max. 1A
	Battery Load Current	Max. 12A
Operating Environment	Temperature	0~40°C
	Humidity	0~80% non-condensing
Dimension	KSU	170.2 x 440 x 325.4 (mm)
Weight	Basic KSU	6.2 kg (without PSU)
	Expansion KSU	6.25 kg (without PSU)