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iPECS
Your Communications Solution

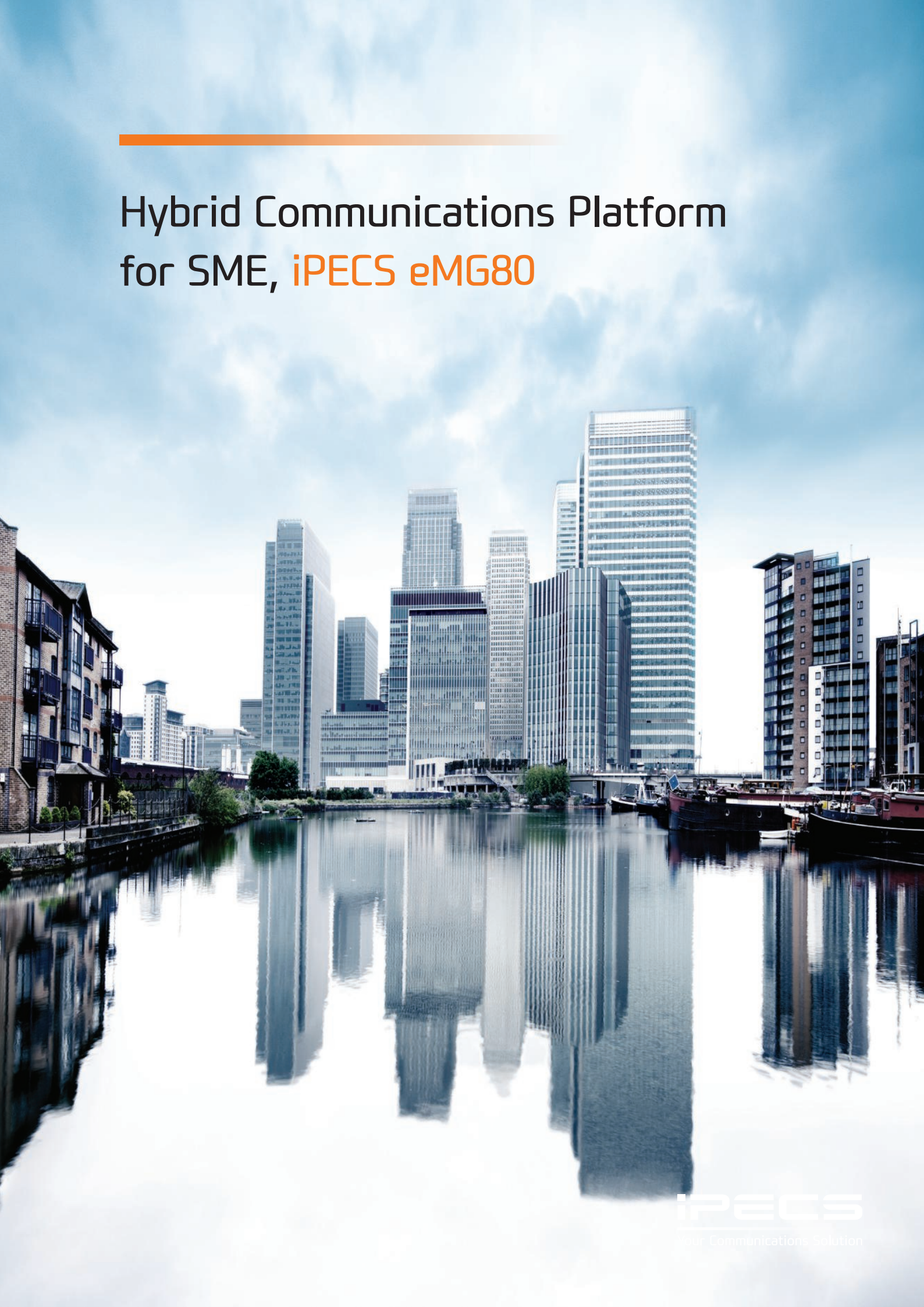
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Ericsson-LG Enterprise Co., Ltd.
(08503) 189, Gasan digital 1-ro, Geumcheon-gu,
Seoul, South Korea
Telephone: +82-2-3777-1114
Fax: +82-2-480-7240
www.ericssonlg-enterprise.com
www.iPECS.com
www.iPECS-Cloud.com

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Hybrid Communications Platform for SME, iPECS eMG80



iPECS
Your Communications Solution

Experience a feature rich, cost effective communications solution in a compact design

IP/TDM Hybrid Communication Platform, iPECS eMG80

iPECS eMG80 adopts VoIP technology running as an optimized IP/TDM hybrid switching platform. This gives the ability to communicate seamlessly over IP networks and delivers advantages over existing hybrid technologies by providing SMEs with efficient and productive applications using iPECS eMG80 in a simple and cost-effective manner.



Embedded UC and Telephony

As the most compelling advantage, UC features 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.

Rich Business Applications

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

Wide Range of Mobility

iPECS eMG80 provides multiple mobility solutions to improve business productivity and decrease communication expenses. Various options of iPECS DECT and IP DECT provides feature rich and reliable communications for high demanding mobile workers. iPECS UCS mobile client delivers the power of a desk phones to smartphones or tablet PCs for external mobile workers.

Flexible Multi-Site Deployment

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

Seamless Scalability

As a scalable call server iPECS eMG80 allows businesses to easily expand capacity with optional gateways or boards. With the iPECS eMG80 easily expandable capacity, users don't need to change all hardware resources to expand their system. If a user needs to grow to digital lines from analog lines just the basic KSU needs to be changed and all other hardware resources such as expansion KSU, desktop IP/Digital phones can all be still used. With iPECS eMG80's scalability, users can experience upfront investment savings and cost-effective expansion as a business grows.

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 from their smart phone or tablet.

Empower Your Business with Compact Hybrid UC Platform



iPECS UCS
(Desktop & Mobile)

〈Built-in UC & Easy to use UC〉

- 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

Full Range of 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 fail, the local system will work as the call server responsible 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/Alarm Call Service

iPECS eMG80 provides wide range of emergency/alarm call services (Emergency call, Emergency paging up to 50 groups, recording, monitoring, SOS paging, pre-recorded announcement, automatic triggering etc.) by the system itself. With embedded emergency/alarm call services, users can take action rapidly for various emergency situations. For effective management, an automatic call with announcement can play and trigger an external relay contact. Also, all emergency calls are monitored and recorded in the emergency mailbox.

Simplified Multiple Calls Handling

iPECS eMG80 provides for multiple call handling allowing seamless communications. A desk phone's DSS buttons can be assigned for handling multiple calls. (Max 48 buttons) With preassigned buttons, 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 the new call based on the pop up CID information using one of the preassigned buttons. When a user decides to answer the new call, the first call is placed on hold automatically allowing for easy and seamless communications.

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 easy integration with 3rd party solutions. eMG80 provides a cost-effective way to use the existing solution with high compatibility by applying universal interfaces such as RESTful API. 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 can seamlessly be expanded as required. With the embedded voice mail channels (Max 16 channel by license) and many valuable voice mail features to enhance the customers interactions. (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 the user's productivity with great Cost Advantages.

Multi-Tier Mobility and Mobile Extension

iPECS eMG80 is maximized for mobility solutions. In the office, DECT and IP DECT are available. Small-size office and also large-size office can be covered with WTIM24. Max 254 DECT bases with 1000 handsets can be registered with seamless in-call handover. And out of the office, The feature rich iPECS UCS mobile client covers the communication needs for mobile workers. In addition, The Mobile Extension (MEX) 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 a built-in audio conference bridge for cost-effective collaboration that can be easily expanded 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 from their smart phone or tablet.

iPECS UCS Feature Introduction

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

iPECS UCS Standard Highlight*

UCS Standard (Built-in)
- No additional H/W server and installation

Rich Presence & IM Continuity
- Integrated presence and personal status
- IM continuity among devices

High Quality Video Call
- One-to-one video call from UCS Desktop and Mobile client

Desktop Client (Windows/Mac)
- Intuitive UI for ease of use

Mobile Client (Android/iOS)
- 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
- IM continuity among clients
- 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
- Call recording : Easy on-demand call recording in local storage

<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 on iPECS UCS desktop client for the desk phone calls
- Most call control function can be executed by one click or drag and drop (Answer/Drop/Deny/Transfer/Hold/Park)
- Flexible button sync between desk phone 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



Applications for Business Performance

Every business has different communications needs and meeting those needs is critical for designing a business communications solution. iPECS eMG80 offers a wide range of business applications for you to fulfill all your needs regardless your business size or industry.



iPECS Attendant Office

iPECS Attendant Office

IP based Attendant application for quick and easy call handling

- Easier management of call handling : Quick and easy call handling with simple clicking or drag and drop for an attendant
- 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
- Desktop call control mode supported
- Directory service/phonebook management



iPECS Attendant Hotel

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
  - Flexible and configurable layout and user interface
  - Statistic report and Snapshot of group monitoring
  - Local language support



iPECS IPCR

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
- 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

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 RCCV - MS Lync/SfB Integration

iPECS RCCV – MS Lync/SfB Integration

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

- 2 types of iPECS RCCV client
  - RCCV-RCC (Remote Call Control), RCCV-VC (SIP Voice Client)
- RCC Mode for desk phone call control solution : MS Lync/SfB with iPECS RCCV Client and desk phone
  - Remote call control for iPECS desk phones in iPECS RCCV Client
  - Desk 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 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 from IP/Digital to DECT/Wi-Fi. These are designed for business users who require a wide range of feature-rich telephony devices to match your constantly changing business needs. iPECS eMG80 will give you an access to a large portfolio of terminals to optimize 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-9040C

- 4.3 inch graphic color LCD with backlit
- 36 Programmable feature key with 3 color LED
- PoE(802.3af) Support
- Open VPN
- LLDP-MED/802.1x Security
- 10/100/1000 BASE-T 2 ports



LIP-9040

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



LIP-9010

- 3 Line Gray graphic LCD with 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-9008G

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



LIP-9008

- 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



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-9048DSS

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

** IPKTS : Up to 4 connection is supported*



LIP-9024LSS

- Support : LIP-9020/30/40/40C/71
- Flexible button : 12 with 3 color LED (24 total : 12 x 2 pages)
- Underlay type : LCD
- LSS connection : 1



LIP-9024DSS

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



LIP-9012DSS

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



EHSA (Electronic Hook Switch Adaptor)

- Support : LIP-9008/08G/20/30/40/40C/71
- Compatible with Plantronics, Sennheiser 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 EHSA



LDP-9224DF

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



LDP-9224D

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



LDP-9208D

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

Wi-Fi Phone



WIT-400HE

- 2 line, 2" color LCD (176 X 220)
- 802.11 b/g, v802.11e for WLAN QoS
- Supporting iPECS system call features
- G.722 wideband codec support
- PTT for group announcing, SMS
- Seamless handover between cells during talk



LDP-9248DSS

- Support : LDP-9240D/24DF/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



EHSA (Electronic Hook Switch Adaptor)

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

IP DECT Phones



150dh/GDC-800H/110dh

150dh (Handset)
- 2 inch TFT Color LCD
- 200/17 hrs standby/talk time
- 250 local phonebook
- Emergency button
- IP65 compliant
- Pull cord support
- Man-down support
- bluetooth for headset
- 16 languages
- 3.5mm headset jack

GDC-800H (Handset)
- 2 inch TFT Color LCD
- 200/18 hrs standby/talk time
- 100 local phonebook
- 16 languages
- Emergency button (ok button)
- 3.5mm headset jack

110dh (Handset)
- 1.44 inch TFT Color LCD
- 75/8 hrs standby/talk time
- 50 local phonebook
- 16 languages
- 3.5mm headset jack



130db/110db/GDC-800Bi

130db (Base)
- Max 254 base station in a zone
- Up to 1,000 handsets registerable
- 8/9 simultaneous calls (Mullt-cell case/ Single cell case)
- Narrow or Wide Band audio
- Mutual Authentication
- Software Upgrade Over The Air
- Air synce and LAN sync
- Central Directory

110db (Base)
- Single base
- 1 repeater for coverage expansion
- Up to 20 users can be registered
- 5 simultaneous calls
- Narrow or Wide Band audio
- Central Directory

GDC-800Bi (Base)
- Max 127 base station in a zone
- Up to 1,000 handsets registerable
- 8 simultaneous calls
- Multi-cell base station up to 127 bases
- Software Upgrade Over The Air
- Air sync



GDC-800R

GDC-800R (Repeater)
- Up to 6 repeaters per 130db/GDC-800Bi
- 1 repeater per 110db

DECT Phones

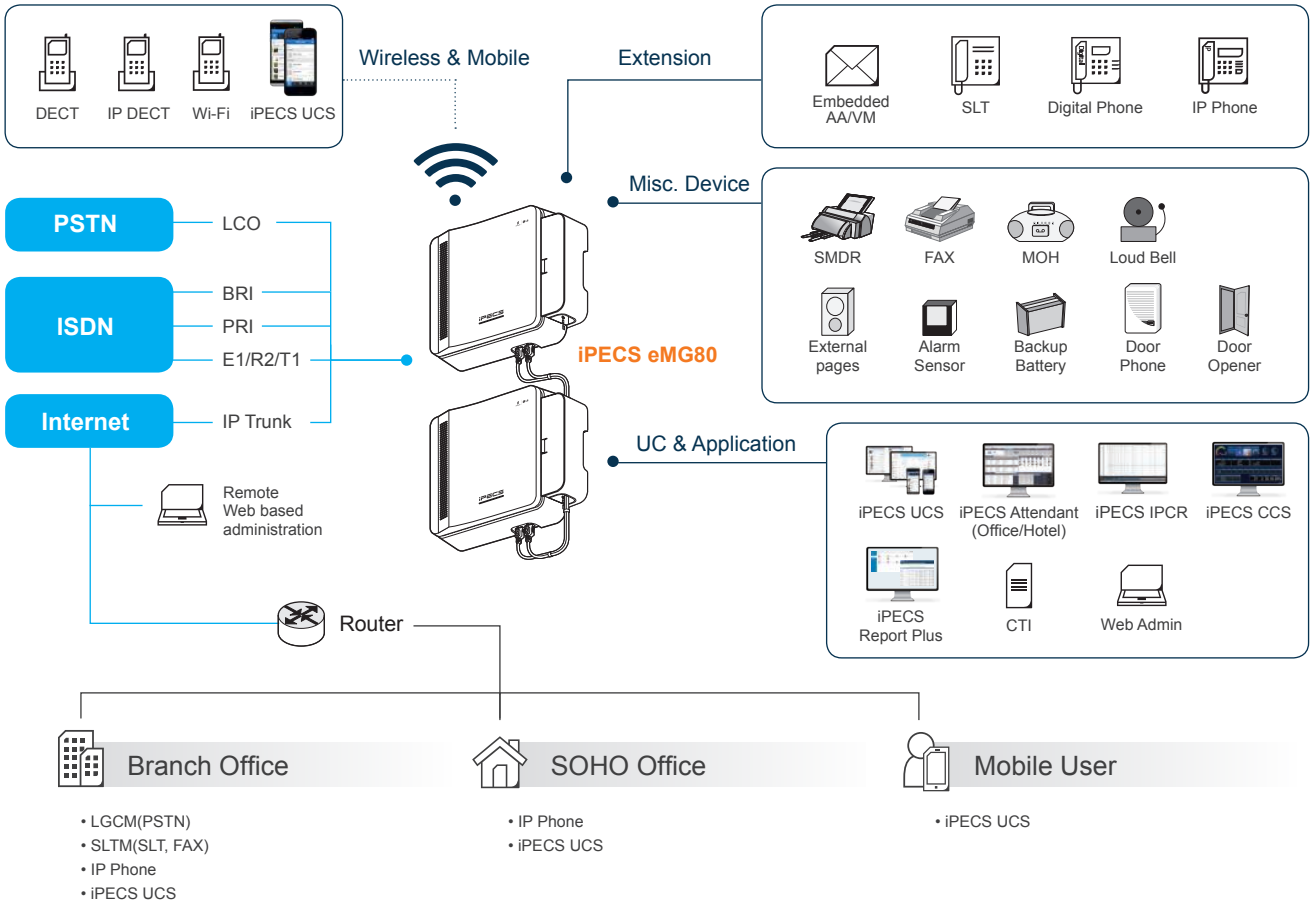


GDC-500H/GDC-480H /GDC-600BE

GDC-500H (Handset)
GDC-480H (Handset)
- 2 inch TFT color LCD
- 100/10 hrs stand by/talk time
- Emergency button
- 8 languages

GDC-600BE (Base)
- 6 simultaneous calls
- Max 72 bases , 6 Calls/Cell

iPECS eMG80 Network



Port Configuration

KSUA / KSUI / KSUAD / KSUID+EKSU

		KSU	EKSU	Max
Trunks	**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
Extensions	**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
VM channel	Built-in	8	-	8
	with VVMU	16	-	16
VoIP channel	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

iPECS eMG80 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 Default Option 1, Option2*(Desktop/Mobile, Advanced User) : 2/2, 2 copy Built-in ClickCall : 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 Default Option 1, Option2*(Desktop/Mobile, Advanced User) : 2/2, 2 copy Built-in ClickCall : 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 Default Option 1, Option2*(Desktop/Mobile, Advanced User) : 2/2, 2 copy Built-in ClickCall : 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 Default Option 1, Option2*(Desktop/Mobile, Advanced User) : 2/2, 2 copy Built-in ClickCall : 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(Option)

* Only one default option can be used

** 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)

iPECS eMG80 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