

# Transform Your Business Communication, iPECS eMG800

**iPECS**  
Your Communications Solution

iPECS eMG800 is an optimized SME solution built with 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.

## Embedded UC and Telephony

As the most compelling advantage, UC features are embedded in iPECS eMG800. 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 eMG800 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, by enabling RESTful API integration.

## Wide Range of Mobility

iPECS eMG800 provides multiple mobility solutions to improve business productivity and decrease communication expenses. iPECS DECT and IP DECT handsets provide feature rich and reliable communications for internal mobile workers. iPECS UCS mobile client delivers the power of a desk phones to smartphones or tablet PCs for external mobile workers.

## Ultimate Flexibility

iPECS eMG800 enables flexible and cost-effective multi-site deployment. Users can experience iPECS eMG800's seamless and powerful communications. It can be fully networked in T-NET (Transparent Networking) or Networking mode for local survivability and PSTN failover. Through flexible T-NET features, IT managers can easily manage a multi-site architecture.

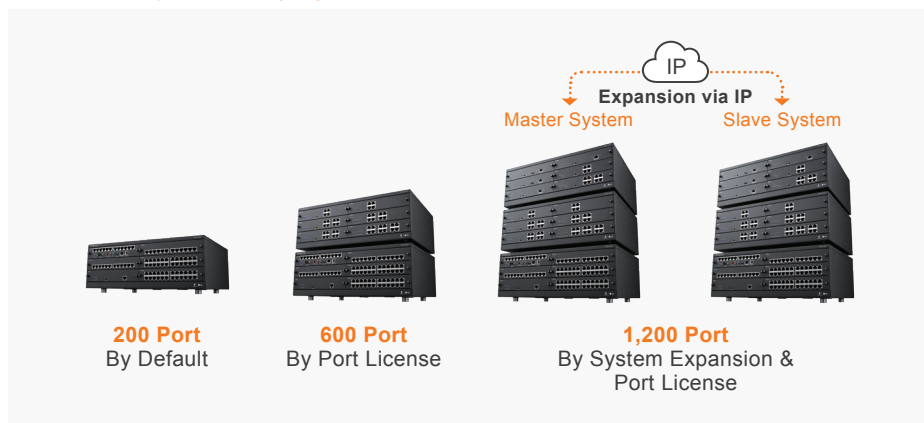
## Seamless Scalability

As a scalable call server iPECS eMG800 allows businesses to easily expand capacity with optional gateways or boards. In addition, simple system port licensing enables upfront investment savings and cost-effective expansion as a business grows. Not only system capacities, but communications features including UC solution can be expanded or added with a simple license.

## Embedded VoIP

Embedded VoIP channels are one of the great advantages with iPECS eMG800. iPECS eMG800 supports complete single network IP solutions with high capacity VoIP to protect your upfront investment. (Max 8 channel by license) Also, it can seamlessly migrate to an IP converged world as an innovative hybrid platform.

## Seamless expandability by License



## Key Features

- Built-in iPECS UCS
- Built-in iPECS ClickCall
- Embedded VoIP
- Embedded Voice Mail
- Embedded ACD
- Embedded SIP
- Embedded audio conference
- Embedded hotel features
- Mobile extension
- One number service
- Web call back
- ACD call statistics for multiple group
- Emergency/Alarm call service
- Simplified directory search and dial
- Custom MOH support
- VM to E-Mail forwarding
- Centralized Voice Mail
- Centralized control T-NET
- Web administration
- Web user portal

## Applications

- iPECS UCS
- iPECS ClickCall
- iPECS RCCV
- iPECS Attendant (Office/Hotel)
- iPECS IPCR
- iPECS CCS
- iPECS Report Plus
- iPECS NMS

## Supported Terminals

- LIP-9071
- LIP-9000 Series
- LDP-9200 Series
- 150dh/GDC-800H/110dh (IP DECT)
- GDC-500H/480H (DECT)
- WIT-400HE

## 3<sup>rd</sup> Party Applications and Middleware

- Microsoft Lync/SfB
- Fidelio I/F
- Tiger TMS for hospitality solution
- 3rd party PMS Interface
- LAS for healthcare solution
- TAPI (3rd Party)
- RESTful API (SMDR, Clickcall)

## System Capacity

Category	iPECS eMG800	iPECS eMG800 with Expansion System	Remarks
System ports (Default)	600 (200)	1,200 (200)	
Trunk	Max	536	600
	Analog	204	408
	PRI	360	600
	SIP	408	600
Extensions	Max	600	1,200
	TDM Extension	420	840
	Digital	414	828
	Analog	414	828
	DECT		192
	IP Extension (Default)	600 (30)	
UCS Standard clients	Default Option 1 (Desktop/Mobile)		5/5
	Default Option 2 (Advanced User)		5
	Max		200
UCS Premium clients		600	
Clickcall (Default)	600 (5)	1,200 (5)	
Integrated Telephony Port	6D + 6S	12D + 12S	
VoIP Channel	Built-in Basic	4 ch	8 ch
	Built-in Max*	8 ch	16 ch
	System Max		600
VM Channel	Built-in Basic	4 ch / 1 hr	8 ch / 2 hrs
	Built-in Max*	8 ch / 1 hr	16 ch / 2 hrs
	External Max (VMIB)		8 ch / 100 hrs
Attendant		5	
Serial Port(RS-232C)		1	
USB(3.0) Host Port		1	

\* Built in VoIP/VM is expandable as 4 ch/8 ch or 8 ch/4 ch.

## Specifications

Item	Description	Specification
PSU	AC Voltage Input	100 ~ 240 +/- 10% Volt AC @ 47~63Hz
	AC Power Consumption	350 W
	AC Input Fuse	6.3A @ 250 Volt AC
	DC Output Voltage	+ 5, + 30 Volt DC
External Backup Battery	Input Voltage	24 Volt DC
	Battery Fuse	15.0A @ 250Volt AC
	Charging Current	Max 1A
	Battery Load Current	Max 12A
Operating Environment	Temperature	0(°C) - 40(°C)/32(°F) - 104(°F)
	Humidity	0 - 80%(Non-condensing)
Dimension	KSU	170.2 mm(W) x 440 mm(H) x 325.4 mm(D)
Weight	Basic KSU	6.2 Kg(without PSU)
	Expansion KSU	6.25 Kg(without PSU)

## System Components

Category	Component	Description
Cabinet	eMG800-KSU	Basic KSU
	eMG800-EKSU	Expansion KSU
Power Supply	MG-PSU	Power Supply Unit
Call Server	eMG800-MPB	Main Processor Board with embedded DSU, VoIP/VM : Default 4 ch/4 ch, Max 4 ch/8 ch or 8 ch/4 ch with 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, 4 ch/8 ch)
	MG-VMIB	Voice Mail Interface Board(8 ch, 100 hrs)
	MG-AAIB	Auto Attendant Interface Board(8 ch)
	MG-VOIB8/MG-VOIB24	8/24 Channel VoIP Interface Board
	eMG800-VOIB128	128 Channel VoIP Interface Board(Default 32 ch)
MG-WTIB4/MG-WTIB8	4/8 Base Wireless Terminal Interface Board	
Others	GDC-600BE	6 Channel DECT Base Station
	MG-MODU	Modem Unit(33 Kbps)
	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.

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