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 Web or RESTful API integragtion.

Wide Range of Mobility

iPECS eMG800 provides multiple mobility solutions to improve business productivity and decrease communication expenses. iPECS 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 with local survivability and PSTN failover. Through flexible T-NET and redundancy features, IT managers can easily manage a multi-site architecture. Leverage your business to full of flexibility with wide range of deployment scenarios.
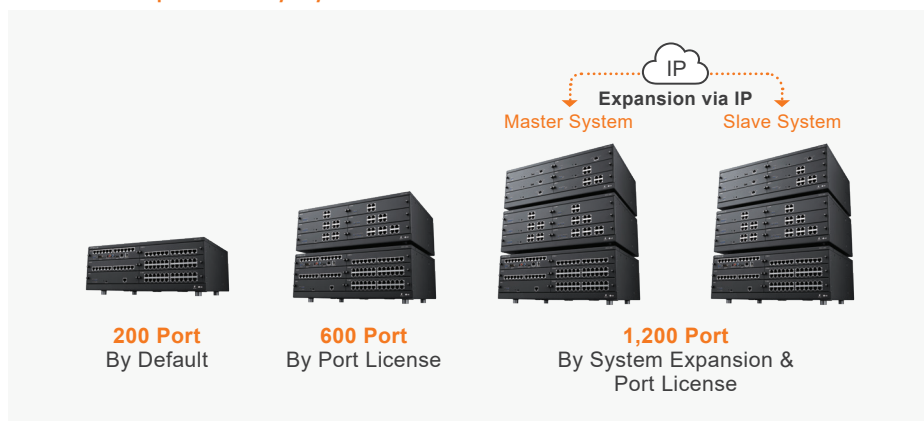
Seamless Scalability

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.

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
- ACD manager protocol
- SIP interface
- Alarm messaging server interface
- 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 Attendant (Office/Hotel)
- iPECS IPCR
- iPECS CCX
- iPECS CCX Report Plus
- iPECS NMS

Supported Terminals

- 1000i Series
- LIP-9000 Series
- LDP-9200 Series
- 150dh/GDC-800H/110dh

3rd Party Applications and Middleware

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

Seamless expandability by License

IP

Expansion via IP

Master System   Slave System

200 Port
By Default

600 Port
By Port License

1,200 Port
By System Expansion & Port License

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	
	IP Extension (Default)	600 (30)		
UCS Standard clients	Default Option 1 (Desktop/Mobile)	5/5		Only one default option can be used
	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	w/ License
	System Max	600		w/ VOIB 8/24/128
VM Channel	Built-in Basic	4 ch / 1 hr	8 ch / 2 hrs	
	Built-in Max*	8 ch / 1 hr	16 ch / 2 hrs	w/ License
	External Max (VMIB)	8 ch / 100 hrs		w/ VMIB
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($^\circ$C) - 40($^\circ$C)/32($^\circ$F) - 104($^\circ$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 DSIU, 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)
Others	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.

iPECS is an Ericsson-LG Brand