

Making telephony simple and effective

iPECS eMG80

iPECS eMG80 delivers simple and reliable telephony with a feature set that empowers your business to save money, drive productivity and increase customer satisfaction. With a range of embedded features that help your business compete and win, the flexibility to meet the needs of office, home or road based users, the iPECS eMG80 is Your Communications Solution.

Simple to use and flexible

The iPECS eMG80 delivers a simple and intuitive user experience ensuring that users across the organisation can make the most of their communications regardless of the device they use. iPECS eMG80 enables users to access all the power of the iPECS from desk phones, smartphones, PC, wifi or DECT handsets. Mobile and home working is delivered out of the box making iPECS eMG80 the standard for the advanced enterprise.

Rich features and applications

The rich feature set delivers the core features you have come to expect from your telephone system plus advanced functions including an integrated multi-level Auto Attendant and Voice Mail with both mobile and E-mail notification as well as full mobile and remote working capability to support your team regardless of location. Enhanced applications deliver seamless integration into your desktop or laptop through PHONE-LINK integration, wallboard and contact centre functions through icall suite or advanced call recording through iPECS IPCR.

Cost effective and expandable VoIP technology

iPECS eMG80 platform includes advanced VoIP technology supporting low cost SIP trunking, on/off-premise mobility, remote connectivity and multi-site networking at minimal cost. iPECS eMG80 is equipped for the high tech enterprise straight out of the box.

Seamless expandability for SMBs

With iPECS eMG80, you can start small with 8 - 12 users and grow seamlessly as your business grows. iPECS eMG80 is the perfect choice for the growing enterprise offering rapid expandability, cost control and specialist features such as ACD groups for your sales and service teams or auto-attendant to better direct calls across your business.

Call Server Components

Item	Board	Description
KSU		Key Service Unit, eMG80 cabinet, KSU and EKSU
KSUA	MBUA	4 CO, 1 DKT and 7 Hybrid Interfaces Voice Mail (2-channel/1-Hour default, 8-channel/31-hours max.) VoIP (2-channels default, 16-channel max.)
KSUI	MBUI	1 DKT and 7 Hybrid Interfaces Voice Mail (2-channel/1-Hour default, 8-channel/31-hours max.) VoIP (2-channels default, 16-channel max.)
EKSU	EMBU	4 CO and 8 Hybrid, Extended KSU



Key Features

- Integrated Auto Attendant /Voice Mail
- E-mail notification
- Mobile working
- Home working
- Remote working
- SIP ready platform
- IP-Attendant
- Automatic Call Distribution (ACD)
- Fully integrated applications
- Personal groups
- Remote control from mobile phone
- System scenario call routing
- Green power save

Ericsson-LG Applications

- iPECS Attendant
- iPECS Communicator
- iPECS UCS
- Phontage
- iPECS IPCR

Integrated Applications

- icall suite for call reporting, call recording, wallboards and contact centre
- PHONE-LINK integrating iPECS into your desktop applications for call control, screen pop, presence and click to dial.

Supported Terminals

- LIP-9070
- LIP-8000E Series
- IP8800E Series
- LDP-7000 Series
- LDP-9000 Series
- LDP-DPB
- GDC-450H
- GDC-500H
- WIT-400HE
- ACT-50

Power & Board Components

Item	Board	Description
PSU		Power Supply Unit, pre-installed in each cabinet
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/E1R2 or T1 (30 or 24 channels) Interface Unit
	eMG80-BRIU2	2 BRI (2B+D) Interface Unit
	eMG80-WTIB4	4 Wireless Terminal Interface Board (24 channels)
Function Boards	eMG80-VVMU	8 VoIP, 4 VM Channel, 1 hour default plus 15 hours VM storage – licenses required for VoIP, VM channel and VM storage
	eMG80-MEMU	Memory Expansion Module Unit for VM (15 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)

System Capacity

Item	Capacity
CO/Trunk lines	Max. 74
Stations	Max. 140
Attendants	4
Modem Channel	1(MODU)
Power Fail Circuit	Max. 6 (1 per KSU, EKSU, CH204, CH408, CS416)
VSF Device 1: Built-in AA/VM	4 channels (2ch. by default, 2ch. by license), 1 hour
VSF Device 1: Built-in AA/VM w/MEMU	15 hours (no license needed)
VSF Device 2 (VVMU)	4 channels and 15 hours (by license), 1 hour (by default)
DECT Phones	48
Built-in VoIP channels	8 (2 channels by default, 6 channels by license)
VVMU VoIP channels	8 (by license)
IP Stations and SIP Trunks	48 port (32 Stations+16 SIP Trunks)
SMDR buffer	5,000
System Speed Dial / Zones (Groups)	3,000 numbers, 23 digits each / 10 zones
Conference Groups - System	40
Conference Groups - Station	20 per station

Interface & Standard

Item	Specification
LAN Interface	10/100Base-T Ethernet (IEEE 802.3) 1port, Half or Full Duplex (Auto-Negotiation)
Serial Port(RS-232C)	1
USB(2.0) Host port	1
VoIP Protocol	SIP and H.323 Revision 2
Voice Compression	G.711/G.726/G.729/G.723.1
Voice/Fax Switching	T.38
Echo cancellation	G.165

Operating Environment

Temperature	0(°C) - 40(°C)
Humidity	0 - 80% (non-condensing)

Dimension & Weight

W x H x D (mm)	KSU	307 x 294 x 126.6
	Expansion KSU	307 x 294 x 126.6
Weight (Kg)	KSU	2.0
	Expansion KSU	1.99

Power Requirement

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)