

iPECS eMG100

Smart Hybrid Communications Solution

Oct, 2019

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eMG100 highlight

Smart Hybrid IP-PBX - built for small business, 5~50 users

Single Cabinet for basic/expansion

Max 214port (74 trunk/140 ext.)

Simple & Flexible

Separate trunk / extension options

Compact & Slim design

All RJ 45 interfaces
Wall or 19" rack mounting



Expanded VOIP/VM

Up to 16 embedded VM/VOIP per KSU
(16 x 2 for 2 KSUs)
and 48ch of VOIP option

Expanded Capacity

48 Digital phones
76 Analog phones
64 IP phones

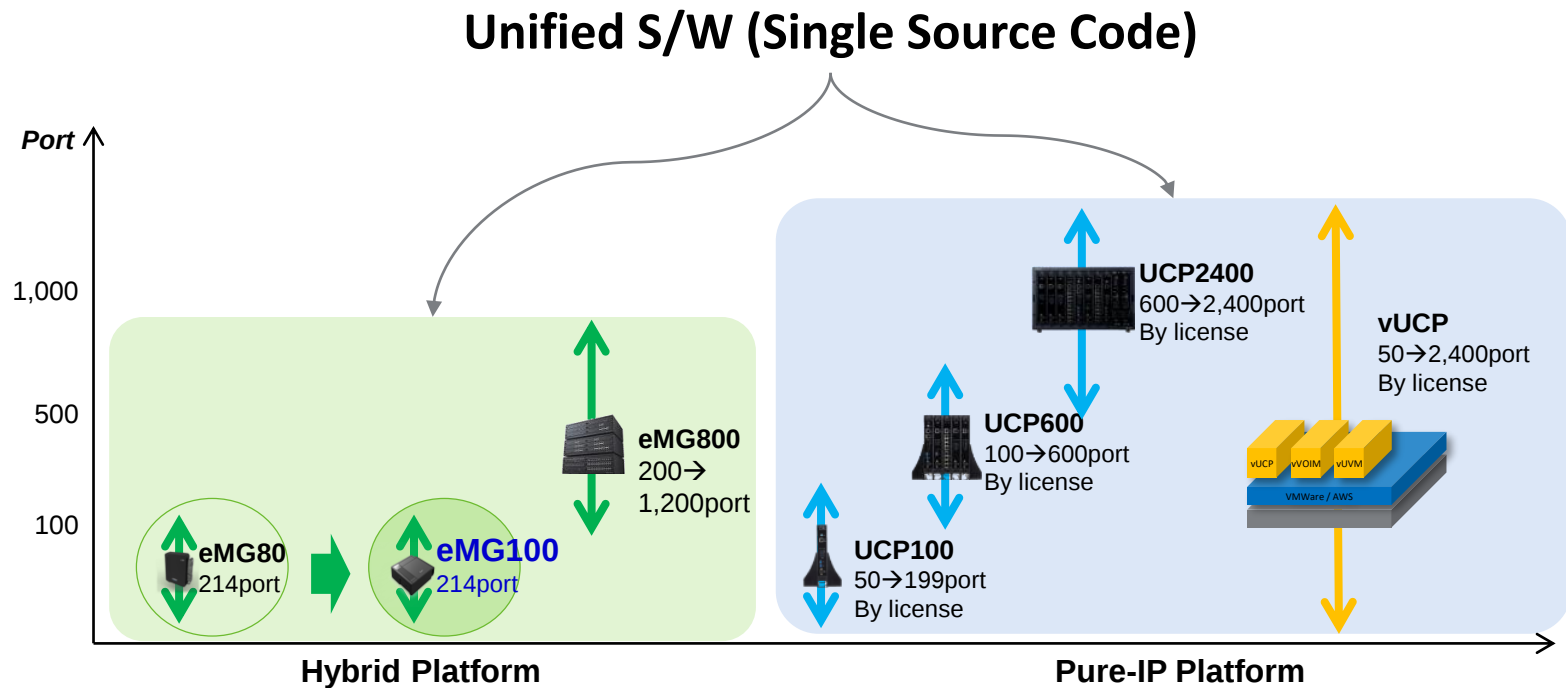
Unified Software

Powerful out of the box UC / apps
Same user experience

Powerful Communications... yet, Simple and Cost-effective

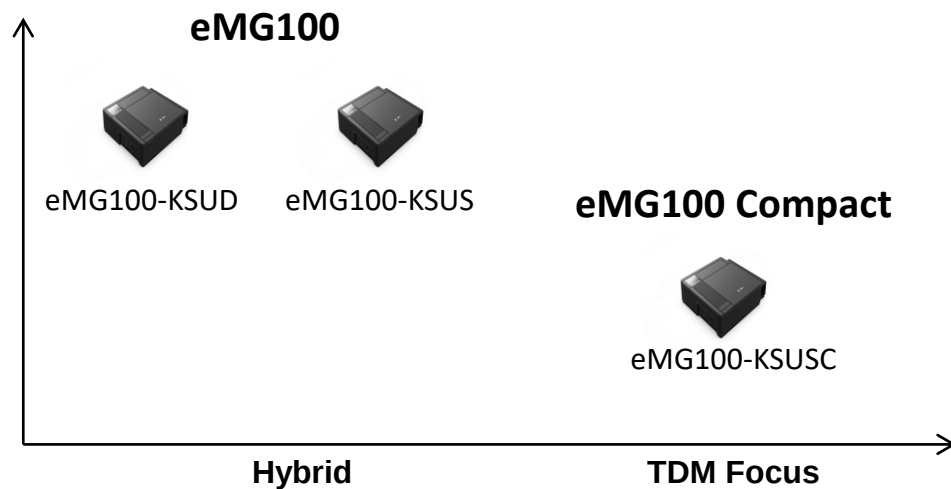
Portfolio & Positioning

- eMG100 as smart hybrid IP-PBX for small business, replacing eMG80
- Unified software - Same features and User experiences



eMG100 KSU Variations

- 3 types of KSU
 - KSUD/KSUS are for hybrid markets.
 - KSUSC is for TDM market. No default VOIP/IP/UCS/Clickcall licenses
→ Support with licenses



	KSUD	KSUS	KSUSC
Default TDM Ext	8D+4S	2D+6S	2D+6S
Default VM	4	4	2
Default VOIP	2	2	0
Default IPEXT	32	32	0
Default UCS	2	2	0
Default Clickcall	2	2	0

Value Proposition

Powerful

- Same Unified Software (v3.5 base)
- Out of the box UC and rich features
 - UC, AA / VM, ACD, Conference, Mobile Extension, Hot desking, Emergency management, etc.

Flexible

- One cabinet for basic / expansion
- Simple hardware options for trunk and expansions
- Any mixture of TDM and IP

Cost Effective

- Save cost with embedded applications, simplified HW options
- Expanded capacity for IP/TDM
- Compatible with installed applications/ terminals

Simple & Reliable

- Simple to install and manage with Unified software and all RJ-45 interfaces
- Stronger immunity to noise environments



Product overview

Hardware overview

■ 3 types of KSUs: KSUD, KSUS, KSUSC ← Select any of KSUs best fit for your country

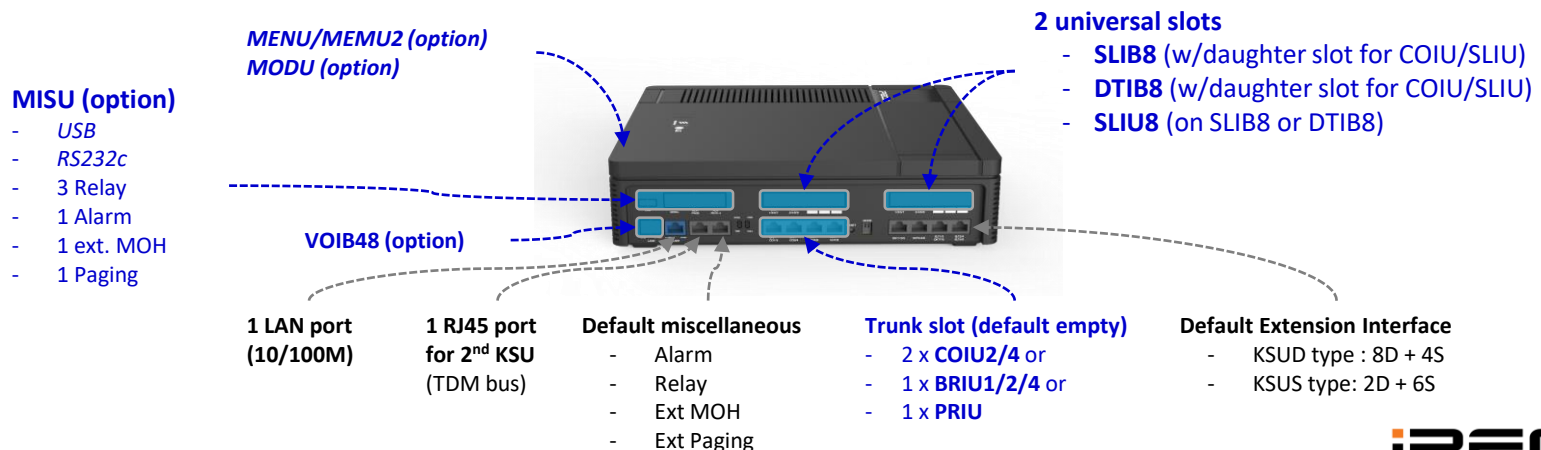
- **KSUD:** 8DKT + 4SLT i/f by default
- **KSUS:** 2DKT + 6SLT i/f by default
- **KSUSC:** 2DKT + 6SLT i/f by default (no default licenses)

+

- 2 dedicated trunk slots (for COIU2/4, BRIU1/2/4, PRIU)
- 2 Universal slots (for DTIB8/SLIB8)
- 2 daughter slots on DTIB8/SLIB8 (for COIU2/4, SLIU8)
- 4 dedicated function unit slots (for VOIB48, MISU, MODU, MEMU/2)

■ Simplified options

- **COIU2/4:** can be installed on dedicated trunk slot on the mother board or/and one daughter slot of DTIB8/SLIB8
- **BRIU1/2/4, PRIU:** can be installed on dedicated trunk slot on mother boards
- **DTIB8, SLIB8:** can be installed on universal slots
- **SLIU8:** can be installed on the daughter slot for DTIB8/SLIB8
- **VOIB48, MISU, MODU, MEMU/MEMU2:** can be installed on the dedicated slot on the mother board
- **Other options:** KCC(KSU Cord Cover), BATTCABLE(Ext. battery cable), EXPCABLE(for connecting 2nd KSU)



*COIU/BRIU/PRIU can't be installed together

Option boards

- **Better flexibility, expanded capacity and cost effectiveness** with separate trunk and extension boards

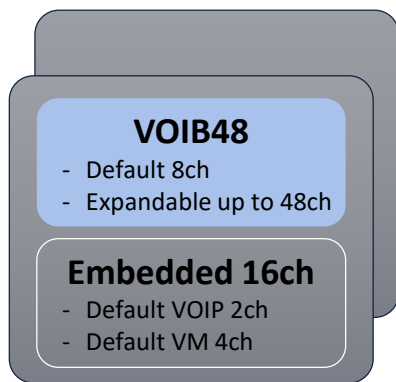
eMG80		eMG100
KSU	KSUA KSUI EKSU	KSUD KSUS KSUSC
Combo	CH204 / CH408 / CS416 / CD408 BH104 / BH208	
Trunk*2	BRIU2 PRIU	COIU2 / COIU4 BRIU1 / BRIU2 / BRIU4 PRIU
Extension*2	HYB8 DTIB8 SLB16	DTIB8 (8DTI + one daughter slot for SLIU8 or COIU2/4) SLIB8 (8SLI + one daughter slot for SLIU8 or COIU2/4) SLIU8
Others	WTIB4 VVMU MEMU / MEMU2 MODU RMB	- VOIB48 MEMU / MEMU2 *1 MODU *1 RMB MISU
Others		KCC BATTCABLE EXPCABLE SPLITTER (1xRJ45 to 4xRJ11) – up to partner's choice

*1 : same hardware as eMG80

*2 : UCP TDM trunk/extension gateways can be supported within the maximum system capacity.

Enhanced VOIP / VM

- Cost effective with more embedded VOIP / VM channels
- Expanded VOIP channels with optional VOIB48



KSU

Embedded Channel*1 (Shared for VOIP / VM)

	Default (KSUD/KSUS/KSUSC)	Max
VOIP	2/2/0*3	16 (+ 16*2)
VM	4/4/2*3	16 (+ 16*2)

- VOIPCL lic (1ch): up to 14
- VMCL lic (1ch): up to 12
- Max embedded VOIP + VM: 16 channel

VOIB48*1 (only for VOIP)

Default	Max
8	48
-	-

- VOIB48 (8ch by default)
- VOIB48-CL8 lic. (8ch): up to 5

Total

Total
64 (74*2)
16 (32*2)

*1 eMG100 VOIP channel usage: G.711 base

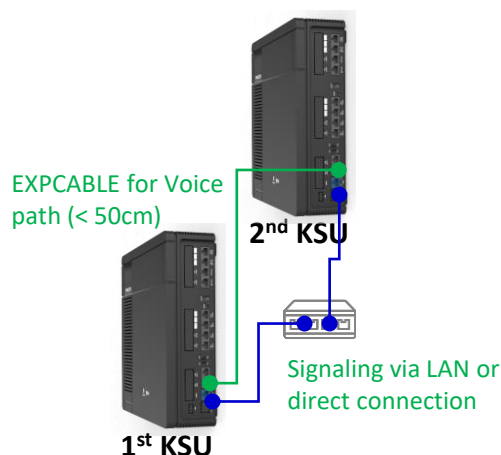
- . TDM ↔ IP: 1ch
- . IP ↔ IP in the same network: 0ch
- . IP ↔ IP in the different network: 2ch

*2 with built-in channels of 2nd KSU

*3 KSUD/KSUS (2VOIP/4VM ch by default), KSUSC (0VOIP/2VM ch by default)

System Expansion (up to 2 systems)

- Simple connection of 2 KSUs to double the TDM capacity
 - Need EXPCABLE (optional sales item)
- Need a license for each KSU
 - EXPM for 1st KSU, EXPS for 2nd KSU
 - SWA license is necessary for each KSU



Items		1 st KSU	2 nd KSU	Remark
KSU	Default ext. ports	Y	Y	8D + 4S or 2D + 6S
	MISC ports	Y	-	Alarm, Ext. MOH, Ext Page, Relay
	Embedded DSP	Y (16ch)	Y (16ch)	VOIP or VM
Option Boards	COIU2 / COIU4	Y	Y	Trunk slots on KSU Daughter slot on DTIB8, SLIB8
	BRIU1/BRIU2/BRIU4	Y	-	Trunk slot on KSU
	PRIU	Y	-	Trunk slot on KSU
	DTIB8	Y	Y	Universal slots on KSU
	SLIB8	Y	Y	
	SLIU8	Y	Y	Installed on DTIB8, SLIB8
	MISU	Y	-	
	VOIB48	Y	-	
	MEMU/2	Y	-	
	MODU	Y	-	

Enhanced IP-DECT

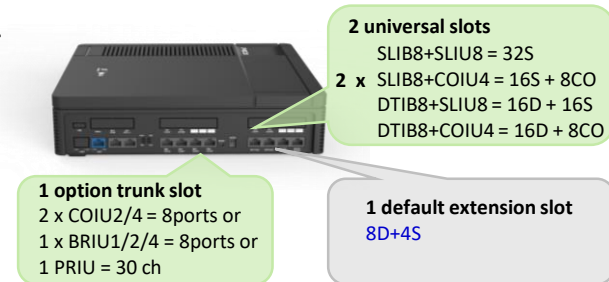
- Support enhanced IP-DECT with expanded capacity
 - Up to 256 bases / 64 handsets

	eMG80	eMG100
IP-DECT 	128 bases / 32 handsets	256 bases / 64 handsets
TDM DECT 	4 bases / 48 handsets	n/a

Expanded capacity

- Expanded capacity for IP Phones, IP DECT and SLT

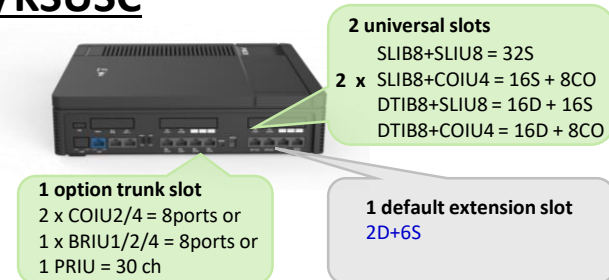
KSUD



> KSUD

		1st KSU	2 nd KSU	Total	Sys Max
Trunk	CO	16	16	32	74
	BRI	8	-	8	
	PRI	30	-	30	
	SIP	64	16	74	
Ext.	DKT	24 (8)	24 (8)	48	140
	IP EXT	64 (32)	-	64	
	SLT	36 (4)	36 (4)	72	

KSUS/KSUSC



> KSUS

		1st KSU	2 nd KSU	Total	Sys Max
Trunk	CO	16	16	32	74
	BRI	8	-	8	
	PRI	30	-	30	
	SIP	64	16	74	
Ext.	DKT	18 (2)	18 (2)	36	140
	IP EXT	64 (32)	-	64	
	SLT	38 (6)	38 (6)	76	

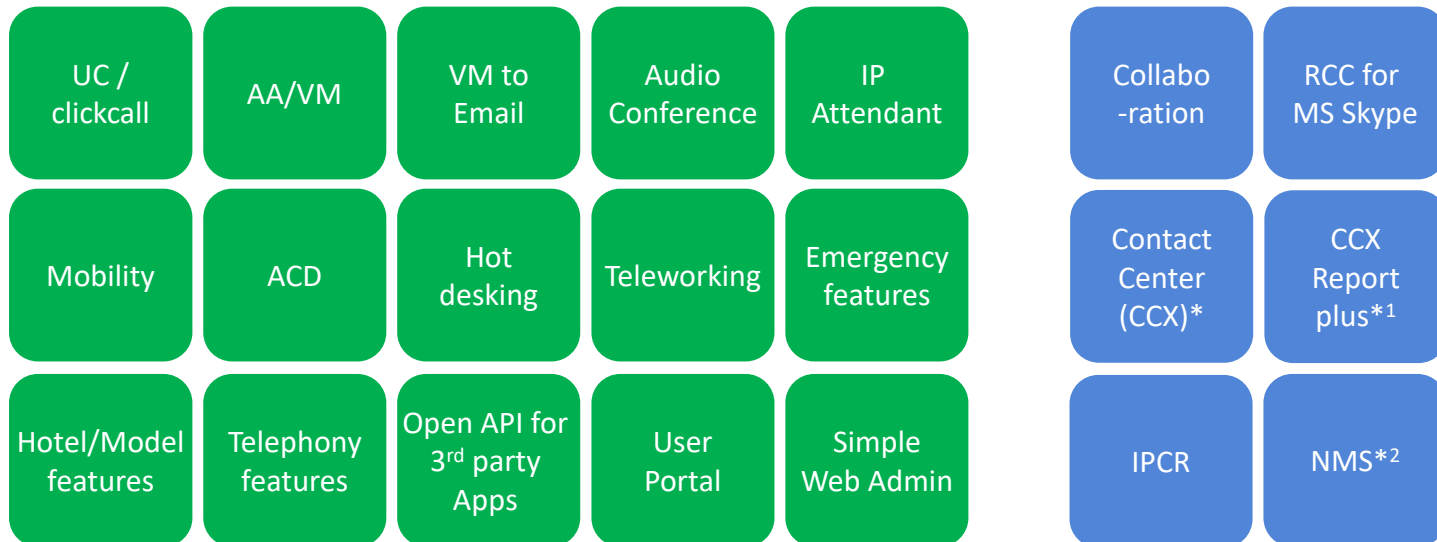
> KSUSC

		1st KSU	2 nd KSU	Total	Sys Max
Trunk	CO	16	16	32	74
	BRI	8	-	8	
	PRI	30	-	30	
	SIP	64	16	74	
Ext.	DKT	18 (2)	18 (2)	36	140
	IP EXT	64 (0)	-	64	
	SLT	38 (6)	38 (6)	76	

* () default number of interfaces

Unified Software

- Take all the advantages of Unified Software
- Powerful out of the box features and applications for business competitiveness

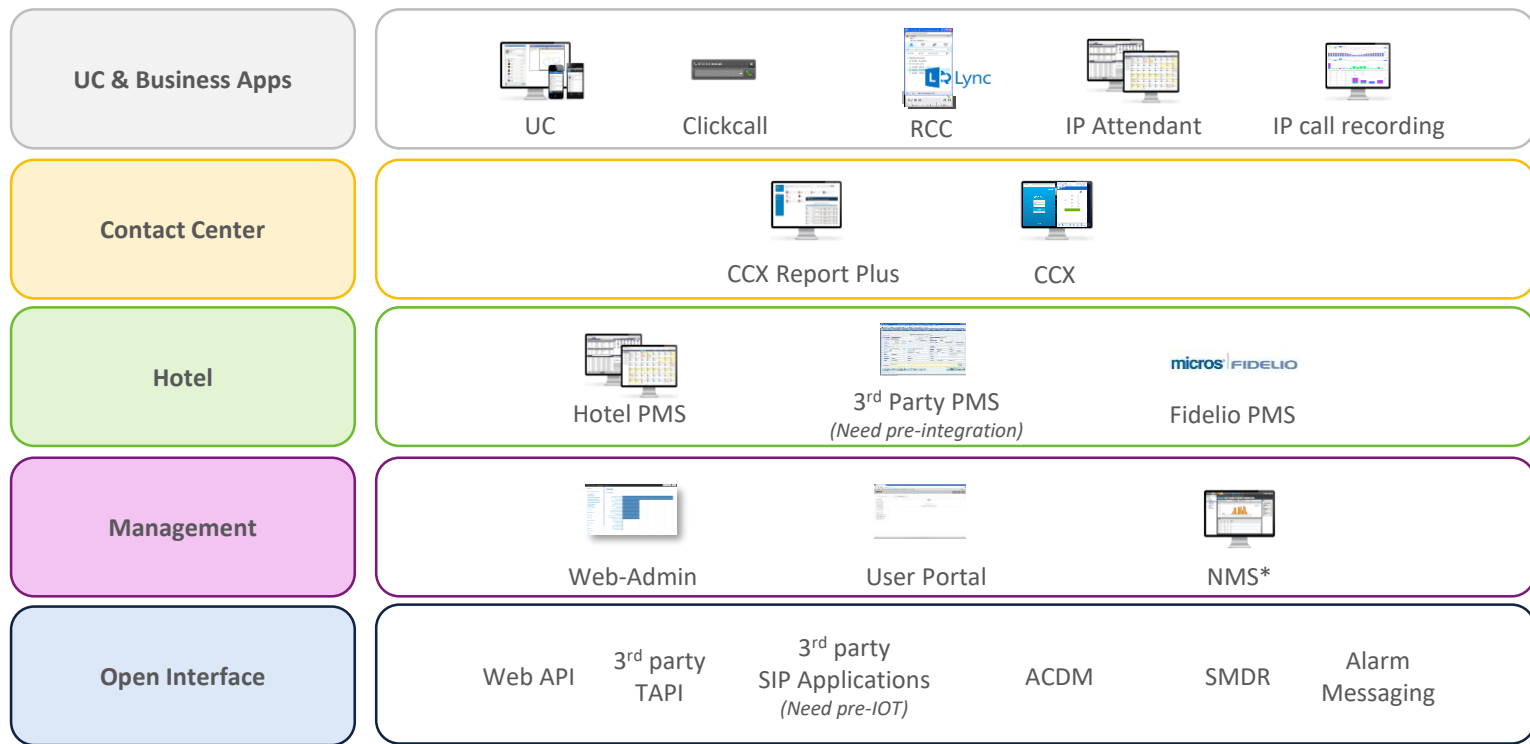


^{*1} CCS/CCS Report plus is not supported on eMG100

^{*2} NMS to be supported in 2020

Rich and affordable features and applications

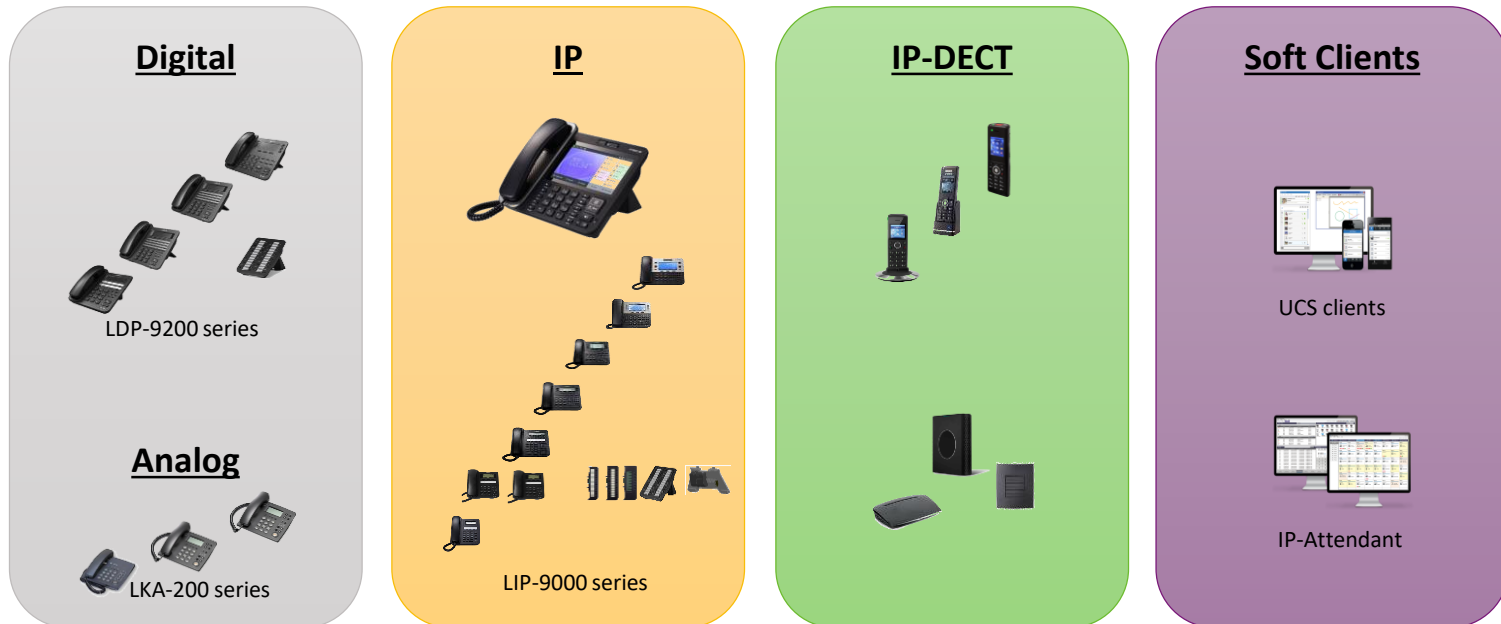
- Support all the latest iPECS applications
- Provide same APIs / Interfaces for 3rd party applications



* TBD

Wide range of terminals

- Support a wide range of IP and digital phones, wireless and soft clients for various businesses



Competitive Advantages

Competitive Advantages

iPECS eMG100 offers the **best out-of-the-box value** to SMB, with embedded features, applications as well as simplicity

Ericsson-LG iPECS eMG100

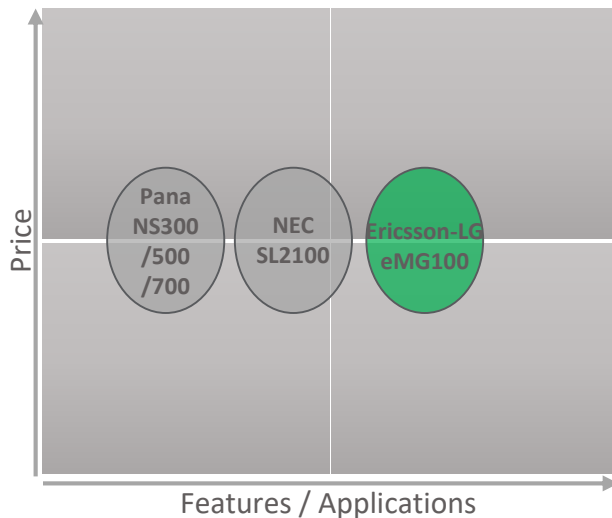
- More simple and flexible architecture
- Out of the box UC and advanced features by default
→ Better business competitiveness with better cost/performance solution

NEC SL2100

- Bigger size form factor
- Costly capacity expansion / MISC ports with optional expansion bus card
- Only 8ch of embedded VOIP resource and separate licenses for SIP trunk
- Licenses for ACD, Conference dial-in, VM features, 2-way recording, etc

Panasonic NS300/500/700

- Bigger size cabinet with FAC
- Costly expansion with optional memory and expansion bus card
- Only 2ch of embedded AA.
- Need option DSP for VOIP/VM - Costly for remote mobility, teleworker and branch solution
- Separate interfaces for external Paging, MOH and miscellaneous interfaces
- Licenses for VM features, 2-way recording, etc



Competitive Advantages

	ELG eMG80	ELG eMG100	NEC SL2100	Panasonic NS300	Panasonic NS500	Panasonic NS700
Design						
Architecture	- Basic / Exp cabinet - 2 option slots - Wall mount friendly - RJ11	- One cabinet for basic/exp (up to 2 KSUs) - Compact with 2U height - 2 universal slots - RJ45	- One cabinet for basic/exp (up to 4 KSUs) - Full 19" w/ 2.xU height - 4 universal slots - 2 types of CPU(C1/C1-A) - Exp board option per sys (w/ VM ch/modem)	- Basic / Exp cabinet (up to 4 KSUs) - Full 19" w/ 2.xU height - 2 trunk slot, 2 Ext slots - Exp board option - FAN	- Basic / Exp cabinet (up to 4 KSUs) - Full 19" w/ 2.xU height - 2 trunk slot, 2 Ext slots - Exp board option - FAN	- Basic / Exp cabinet (up to 4 KSUs) - Full 19" w/ 2.xU height - 2 trunk slot, 2 Ext slots - Exp board option - FAN
<i>Built-in TDM I/F</i>		- KSUD(8D+4S) / KSUS(2D+6S)	- 0	- 6CO / 16S+2D	- 6CO / 16S+2D	- 2D+4S
<i>Built-in VOIP Option VOIP</i>	- 8ch - 8ch	- 16ch (default 2ch) x 2 - 48ch	- 8ch default but, need IP Trunk/Ext license - 128ch	- 0ch - 16ch	- 0ch - 64ch (3 types of DSP)	- 0ch - 64ch (2 types of DSP)
<i>Built-in VM ch / memory</i> <i>Max VM ch / memory</i> <i>Default VM prompt</i>	- 2ch / 1hrs - 8ch / 15hrs/60hrs	- 4ch / 2hrs - 16ch / 15hrs/60hrs	- 4ch / 2hrs - 16ch / 15Hrs/120Hrs - Need option memory for multi-language VM	- 2ch (AA only) / 2 hrs - 24 ch / 40/200/400 hrs	- 2ch (AA only) / 2 hrs - 24 ch / 40/200/400 hrs	- 2ch (AA only) / 2 hrs - 24 ch / 40/200/400 hrs
Capacity (per KSU)						
<i>CO trunk</i>	12	16	12	12	12	12
<i>BRI trunk</i>	8	8	-	-	-	16
<i>PRI trunk</i>	1 PRI	1 PRI	1 PRI	1 PRI	1 PRI	1 PRI
<i>IP trunk</i>	16	64	64 (w/ lic)	16 (w/ lic)	64 (w/ lic)	64 (w/ lic)
<i>Digital Extension</i>	24	24(KSUD) / 18(KSUS)	24	18	18	34
<i>Analog Extension</i>	31	36(KSUD) / 38(KSUS)	32	32	32	36
<i>IP Extension</i>	32 (default: 32)	64 (default: 32)	112 (w/ lic)	32 (w/ lic)	128 (w/ lic)	128 (w/ lic)
<i>IP-DECT base / handset</i>		254 / 64		16 (w/ lic) / 128	16 (w/ lic) / 128	32 (w/ lic) / 128
Relay/Alarm	Y (default)	Y (default)	Y (need DKT option)	Y (need option)	Y (need option)	Y (need option)
Paging/MOH	Y (default)	Y (default)	Y (need DKT option)	Common use w/ CO port	Common use w/ CO port	Common use w/ CO port

eMG100 – more simple and flexible architecture for sweet spot (5 ~ 50 users)

Competitive Advantages

	ELG eMG80	ELG eMG100	NEC SL2100	Panasonic NS700	Panasonic NS700	Panasonic NS700
Design						
Embedded UC	Max 32 users (2 users default)	Max 32 users (2 users default)	Max 128 users (no default) w/ UC user and 1 st party CTI licenses	Max 240 users (Basic user default)	Max 240 users (Basic user default)	Max 240 users (Basic user default)
Desktop Clients Mobile Clients	Windows / Mac iOS / Android	Windows / Mac iOS / Android	Browser base	Windows / Mac iOS / Android	Windows / Mac iOS / Android	Windows / Mac iOS / Android
Video Conference	Max 8x9party (w/ UC server license)	Max 8x9party (w/ UC server license)	Max 4x8party (4 party default)	-	-	-
AA/VM	Max 8ch (2ch default)	Max 16ch (4ch default)	Max 16ch (4ch default)	Max 24ch (2ch default)	Max 24ch (2ch default)	Max 24ch (2ch default)
VM to Email notification	Default	Default	w/ license	w/ license (per user)	w/ license (per user)	w/ license (per user)
2way recording	Default	Default	?	w/ license (per user)	w/ license (per user)	w/ license (per user)
Audio conf–remote dial-in	Default	Default	w/ license	Default	Default	Default
ACD	Default	Default	w/ license	Default	Default	Default
Hotel/Motel feature	w/ license	w/ license	w/ license	-	-	-
Hotel PMS	w/ license	w/ license	w/ license	-	-	-
IP trunk license	Max 16 (no license)	Max 32 (no license)	Max 64 (no default)	Max 64 (no default)	Max 64 (no default)	Max 64 (no default)
IP Ext license	Max 32 (no license)	Max 64 (32 ports default)	Max 128 (no default)	Max 128 (no default)	Max 128 (no default)	Max 128 (no default)
Encryption license	Default	Default	w/ license	-	-	-
Mobile Extension license	Max 140 (32 ports default)	Max 140 (32 ports default)	Max 32 (4 port default) Only with PRI/SIP	Max 288 (w/ license)	Max 288 (w/ license)	Max 288 (w/ license)
3 rd party TAPI	w/ license	w/ license	w/ license	w/ license	w/ license	w/ license
SMDR	w/ license	w/ license	w/ license	-	-	-
Networking	w/ license	w/ license	w/ license	w/ license	w/ license	w/ license
IP-DECT Base	Max 128 (no license)	Max 256 (no license)	?	Max 32 (4 base default)	Max 32 (4 base default)	Max 32 (4 base default)

eMG100 – powerful out of the box applications by default

Ordering Information

Ordering information - Summary

Hardware

Licenses

- H/W – main system, option boards
- S/W – feature licenses, application licenses, SWA licenses

Option Boards

- COIU2/4
- BRIU1/2/4
- PRIU
- DTIB8
- SLIB8
- SLIU8
- VOIB48
- RMB
- MISU
- MEMU/MEMU2
- MODU
- KCC
- *Battcable*
- *Expcable*

Trunk
boards

Extension
boards

Function
boards

Others

System



- **KSUD (8D+4S I/F by default)**



- **KSUS (2D+6S I/F by default)**



- **KSUSC (2D+6S I/F by default)**

Feature licenses

- VOIP channel
- VM channel
- TAPI
- 3rd party SIP
- REST API
- AMSI (alarm)
- IP Networking
- TNLCM
- Hotel
- Fidelio
- 3rd PMS
- MEX

Application licenses

- UCS
- Clickcall
- IP ATD Office
- IP ATD Hotel
- MS Lync RCC
- IPCR
- CCX
- CCX Report Plus*
- NMS

SWA Licenses

- MNTD
- MNTD2/3/4/5/6
- MNT1/2/3/4/5
- MNTU1
- MNTT (SAF)

* To be supported in Q2/2020 with Unified P4

Ordering information - details

	Model Name	Suffix	Part Number	Description	Remark
KSU/EKSU	eMG100-KSUD	STG	TKSU9024701	Main cabinet with 12 extension interfaces (8DTI+4SLI), 4ch VM, 2ch VOIP by default	
	eMG100-KSUS	STG	TKSU9024801	Main cabinet with 8 extension interfaces (2DTI+6SLI), 4ch VM, 2ch VOIP by default	
	eMG100-KSUSC	STG	TKSU9024901	Main cabinet with 8 extension interfaces (2DTI+6SLI), 2ch VM, 0ch VOIP by default	
	eMG100-KSUSC-PKG	STG	TPKG9017201	Main cabinet with 8 extension interfaces (2DTI+6SLI) + 1 COIU4, 2ch VM, 0ch VOIP by default	
Trunk / Ext options	eMG100-COIU2	STG	TKSN9126301	2 LCO Interface unit (2 COIU2 on KSUD/KSUS, 1 COIU2 on DTIB8/SLIB8)	Max 4 per KSU
	eMG100-COIU4	STG	TKSN9126201	4 LCO Interface unit (2 COIU4 on KSUD/KSUS, 1 COIU4 on DTIB8/SLIB8)	Max 4 per KSU
	eMG100-PRIU	STG	TKSN9126101	1 PRI Interface Unit (1 PRIU on a dedicated trunk slot)	Max 1 per KSU (only for 1st KSU)
	eMG100-BRIU1	STG	TKSN9126601	1 BRI (2ch) Interface Unit (on a dedicated trunk slot)	Max 1 per KSU (only for 1st KSU)
	eMG100-BRIU2	STG	TKSN9126501	2 BRI (4ch) Interface Unit (on a dedicated trunk slot)	Max 1 per KSU (only for 1st KSU)
	eMG100-BRIU4	STG	TKSN9126401	4 BRI (8ch) Interface Unit (on a dedicated trunk slot)	Max 1 per KSU (only for 1st KSU)
	eMG100-DTIB8	STG	TKSN9126701	8 DTI Interface board (2 DTIB8 on KSUD/KSUS). One daughter slot for COIU2/COIU4/SLIU8	Max 2 per KSU
	eMG100-SLIB8	STG	TKSN9126801	8 SLT Interface board (2 SLIB8 on KSUD/KSUS). One daughter slot for COIU2/COIU4/SLIU8	Max 2 per KSU
	eMG100-SLIU8	STG	TKSN9126901	8 SLT Interface Unit (2 SLIU8 on DTIB8/SLIB8)	Max 2 per KSU
Function & Accessories	eMG100-VOIB48	STG	TKSN9127001	48channel VOIP Interface Board. Default 8ch. Expandable up to 48 ch w/ licenses	Max 1 per KSU (only for 1st KSU)
	eMG100-MEMU	STG	TKSN9127101	VM Memory Expansion Unit (15hours). mounted on a dedicated MEMU slot of basic KSU	Max 1 per KSU (only for 1st KSU)
	eMG100-MEMU2	STG	TKSN9127201	VM Memory Expansion Unit (60hours). mounted on a dedicated MEMU slot of basic KSU	Max 1 per KSU (only for 1st KSU)
	eMG100-MISU	STG	TKSN9127401	Miscellaneous Interface Unit (1 Ext MOH, 1 page, 3 relays, 1 RS232, 1 USB)	Max 1 per KSU (only for 1st KSU)
	eMG100-MODU	STG	TKSN9127301	Modem Unit	Max 1 per KSU (only for 1st KSU)
	eMG100-RMB	STG	TKSN9127501	19" Rack Mounting Bracket	
	eMG100-KCC	STG	TKSN9127601	KSU Cord Cover	
	eMG100-BATT CABLE	STG	TKSN9127701	Battery Cable	
Function & Accessories	eMG100-EXPCABLE	STG	TKSN9127801	Expansion cable for connecting 1st and 2nd KSU	

Ordering information - details

	Model Name	Suffix	Part Number	Description	Remark
IP Extension License	eMG100-IPEXT	STG	TSWA9243501	IP Extension License (1 port) This license is for more than 32 IP phones. (32 IPEXT license is provided by default.)	
	eMG100-IPEXT10	STG	TSWA9243502	IP Extension License (10 ports) This license is for more than 32 IP phones. (32 IPEXT license is provided by default.)	
	eMG100-3SIPEXT	STG	TSWA9243503	3rd party SIP Extension License, Per seat	
System Interface Licenses	eMG100-VOIPCL	STG	TSWA9243504	VOIP Channel Expansion License for built-in VOIP on KSU (1ch) * Max number of built-in VoIP and VM is 16 ch including default VOIP/VM channels in use.	Max 14 VOIPCL licenses
	eMG100-VMCL	STG	TSWA9243505	VM Channel Expansion License for built-in VM on KSU (1ch) * Max number of built-in VoIP and VM is 16 ch including default VOIP/VM channels in use.	Max 12 VMCL licenses
	eMG100-VOIB48-CL8	STG	TSWA9243506	VoIP Channel Expansion License (8ch) for VOIB48	Max 5 licenses
	eMG100-MEX	STG	TSWA9243507	Mobile Extension License, Per Seat (32ea by default)	
	eMG100-Hotel	STG	TSWA9243508	System Hotel Feature License, Per system	
	eMG100-Fidelio	STG	TSWA9243509	Fidelio Interface License, Per system	
	eMG100-3PMS50	STG	TSWA9243510	3rd party PMS interface (50 guest room base increment)	
	eMG100-TAPI	STG	TSWA9243511	3rd party TAPI interface License, per system	
	eMG100-AMP	STG	TSWA9243512	ACD manager protocol, per system	
	eMG100-API-SMDR	STG	TSWA9243513	RESTful API for SMDR, per system	
	eMG100-IPN	STG	TSWA9243514	IP Networking or QSIG License, per system	
	eMG100-TNLCM	STG	TSWA9243515	T-Net and Local Survivability License, per System, only for LCM mode	
	eMG100-3SIPS	STG	TSWA9243516	3rd party SIP Server S/W License, per system	*Currently only for USA *Need IOT with 3rd party SIP based applications
	eMG100-3SIPC	STG	TSWA9243517	3rd party SIP Client S/W License, per channel	*Currently only for USA *Need IOT with 3rd party SIP based applications
	eMG100-LNKCONN	STG	TSWA9243518	MS Lync EV Channel License, per Channel	
	eMG100-LNKGW	STG	TSWA9243519	MS Lync RCC Gateway License, per System	
	eMG100-LNKCL13	STG	TSWA9243520	MS Lync RCC Client (2010 or 2013) License, per Seat	
	eMG100-LNKCL13V	STG	TSWA9243521	MS Lync RCC Client (2010 or 2013) License with Voice, per Seat	
	eMG100-EXPM	STG	TSWA9243522	System Expansion License for 1st KSU	
	eMG100-EXPS	STG	TSWA9243523	System Expansion License for 2nd KSU	

Ordering information - details

	Model Name	Suffix	Part Number	Description	Remark
Application Licenses	eMG100-ATD	STG	TSWA9243524	IPECS Attendant, per seat	
	eMG100-ATDH	STG	TSWA9243525	IPECS Attendant Hotel, per seat	
	eMG100-IPCRS	STG	TSWA9243526	IPCR Server, per system	
	eMG100-IPCR	STG	TSWA9243527	IPCR Agent, per seat	
	eMG100-IPCRT	STG	TSWA9243528	IP Call Recording Trunk License, per IPCR trunk	
	eMG100-HA-IPCRS	STG	TSWA9243529	IPCR HA Server, per system	
	eMG100-HA-IPCR	STG	TSWA9243530	IPCR HA Agent, per seat	
	eMG100-HA-IPCRT	STG	TSWA9243531	IP Call Recording Trunk HA License, per IPCR trunk	
	eMG100-CLICKCALL	STG	TSWA9243532	ClickCall License, per Seat	Common use for Clickcall REST API feature
	eMG100-UCS-BASIC	STG	TSWA9243533	UCS Basic user license, per user	Max 32 basic user
	eMG100-UCS-ADVANCED	STG	TSWA9243534	UCS Advanced user license, per user	Max 32 advanced user
	eMG100-UCS-POWER	STG	TSWA9243535	UCS Power user license, per user	Max 16 power user
	eMG100-UCS-B2A	STG	TSWA9243536	UCS User upgrade license (Basic user to advanced user)	
	eMG100-UCS-B2P	STG	TSWA9243537	UCS User upgrade license (Basic user to power user)	
	eMG100-UCS-A2P	STG	TSWA9243538	UCS User upgrade license (Advanced user to power user)	
Software Assurance Licenses	eMG100-UCS-PRMSVR	STG	TSWA9243539	UCS Premium Server license, per system	
	eMG100-NMS	STG	TSWA9243540	NMS License, per System	TBD at phase 2
	eMG100-CC-TS4	STG	TSWA9243541	TAPI and 4 SIP Extension license for CCX	
	eMG100-SWL	STG	TSWA9243601	Main System Software License	
	eMG100-MNTD	STG	TSWA9243602	Maintenance License - Default (1 Year)	* Download MNTx/MNTU1 (not MNTD2) license after expiration of default maintenance period.
	eMG100-MNTD2	STG	TSWA9243603	2 year maintenance License - Available only for the maintenance contract at the 1st installation case (1st year default. Priced only for 2nd year)	* Any one of MNTDx licenses can be downloadable only one time at the initial installation. For renewal of MNTDx, need to download any one of MNTx licenses.
	eMG100-MNTD3	STG	TSWA9243604	3 year maintenance License - Available only for the maintenance contract at the 1st installation case (1st year default. Priced only for 2nd ~ 3rd year)	
	eMG100-MNTD4	STG	TSWA9243605	4 year maintenance License - Available only for the maintenance contract at the 1st installation case (1st year default. Priced only for 2nd ~ 4th year)	
	eMG100-MNTD5	STG	TSWA9243606	5 year maintenance License - Available only for the maintenance contract at the 1st installation case (1st year default. Priced only for 2nd ~ 5th year)	
	eMG100-MNTD6	STG	TSWA9243607	6 year maintenance License - Available only for the maintenance contract at the 1st installation case (1st year default. Priced only for 2nd ~ 6th year)	
	eMG100-MNT1	STG	TSWA9243608	1 year maintenance License for renewal.	
	eMG100-MNT2	STG	TSWA9243609	2 year maintenance License for renewal.	
	eMG100-MNT3	STG	TSWA9243610	3 year maintenance License for renewal.	
	eMG100-MNT4	STG	TSWA9243611	4 year maintenance License for renewal.	
	eMG100-MNT5	STG	TSWA9243612	5 year maintenance License for renewal.	
	eMG100-MNTU1	STG	TSWA9243613	1 Year Software Upgrade License	* Download this license after expiration of default maintenance period or previous SWA period.

Licenses

License list / Embedded licenses

Models	eMG80	eMG100	eMG100 Compact	eMG800	UCP100/600/2400	vUCP
System port licenses (SPL)	max 214 by default	max 214 by default	max 214 by default	200 → 1,200	50/100/600 → 199/600/2,400	50 → 2,400
IP Extension licenses	Max 32 by default	32 → 64	0 → 64	30 → 600	30/10/10 → 199/600/2,400	30 → 2,400
Embedded resource license						
- VOIP channel license	2ch → 8ch	2ch → 16ch	0ch → 16ch	4ch → 8ch	4ch / 6ch / -	-
- VOIP switching license	-	-	-	-	0 → 16ch / 0 → 24ch / -	6ch → 250ch
- VM channel license	2ch → 8ch	4ch → 16ch	2ch → 16ch	4ch → 8ch	8ch / 8ch / -	8ch → 150ch
Feature licenses						
- IP Networking	License	License	License	License	License	License
- TNET (TNLS for CCM, TNLCM for LCM)	License (TNLCM)	License (TNLCM)	License (TNLCM)	License (TNLS/TNLCM)	License (TNLS/TNLCM)	License (TNLS/TNLCM)
- Geo Redundancy	-	-	-	-	License	License
- Hotel feature license	License	License	License	License	License	License
- Fidelio Interface	License	License	License	License	License	License
- 3rd party PMS Interface	License	License	License	License	License	License
- 3 rd party TAPI	License	License	License	License	License	License
- AMSI	License	License	License	License	License	License
- 3 rd party SIP Apps (SIPS/SIPC)	License	License	License	License	License	License
- AMP (ACD Manager Protocol)	License	License	License	License	License	License
- REST API – SMDR	License	License	License	License	License	License
- EXPM/EXPS	-	License	License	License	-	-
Apps licenses						
- UCS Per device licenses (Desktop, Mobile) *1	2D/2M → 199	-	-	-	-	-
- UCS User licenses (Basic, Advanced, Power) *1	2 (Adv) → 32	2 (Adv) → 32	0 (Adv) → 32	5 (Adv) → 600	2/10/20 (Adv) → 199/600/2,400	2 (Adv) → 2,400
- UCS Premium Server license	License	License	License	License	License	License
- Clickcall	2 → 140	2 → 140	0 → 140	5 → 600	2/10/20 → 199/600/2,400	2 → 2,400
- IP ATD	License	License	License	License	License	License
- IP ATD Hotel	License	License	License	License	License	License
- IPCR	License	License	License	License	License	License
- CCS/CCX	License	License (CCX)	License (CCX)	License	License	License
- Report Plus/CCX Report Plus	License	License (CCX R+)	License (CCX R+)	License	License	License
- NMS	License	License (P2)	License (P2)	License	License	License
SWA licenses						
- MNTD	License	License	License	License	License	License
- MNTD2/3/4/5/6	License	License	License	License	License	License
- MNT1/2/3/4/5	License	License	License	License	License	License
- MNTU1	License	License	License	License	License	License

*1 : Only one type can be enabled by system admin.

SWA Policy Overview

Product	Year 1	Year 2 +
eMG800 eMG80 P2 eMG100 UCP100 UCP600 UCP2400	- Full Service(60days) - Major S/W Upgrade for 60days from 1st installation + - Basic Service (365days) - Minor Software Upgrade - Full Service is available by downloading MNTD (optional) till the end of default maintenance period. <i>System controls default maintenance period and MNTD allows only full service during this period.</i>	- Optional SWA or On-demand software upgrade licenses - MNTD2/3/4/5/6: Optional SWA at initial installation (only one-time use of any one of MNTDx licenses) - MNTU1/2/3*¹: On-demand software upgrade licenses after default maintenance or MNTDx/MNTx expiration - MNT1/2/3/4/5*²: Renewal licenses before/after MNTDx
vUCP (CS2400)	Full Service - Minor/Major Software Upgrade Must download MNTD (free) within 60days of 1st installation since vUCP is software base product. MNTD controls default maintenance period.	
vUCP*³ (CS2400S)	> Year 1 (default) + Year 2 (mandatory) ← Until Q1/2020 - Full Service - Minor/Major Software Upgrade - Must download MNTD + MNT1 at initial installation - MNTD provides 26 months including one-year mandatory period. <i>MNT1 ≈5 can be also downloadable for additional period.</i>	> Year 3+ - Optional SWA licenses: MNT1/2/3/4/5 3 different prices for MNTx - Regular renewal within grace period - Renewal below 5 years after SWA expiration - Renewal above 5 years after SWA expiration
vUCP*⁴ (CS2400S)	> Year 1 (default) + Year 2 (mandatory) ← After Q1/2020 (Exact date to be announced before applicable around early Q1/2020) - Full Service - Minor/Major Software Upgrade - Must download MNTD + MNT1 MNT1 at initial installation - MNTD provides 26-14 months including one-year mandatory period. - MNT1 provides 12 months. <i>MNT1 ≈5 can be also downloadable for additional period. is only available for renewal. (only yearly renewal, not multi-year renewal for license simplification)</i>	> Year 3+ - Optional SWA licenses: MNT1/2/3/4/5 3 different prices for MNT1 - Regular renewal within grace period - Renewal below 5 years after SWA expiration - Renewal above 5 years after SWA expiration

*1 : MNTUx must be downloaded after the expiration of previous SWA licenses including default maintenance since MNTUx validity starts from the issue date.
MNTUx doesn't add remaining days of previous SWA period.

*2 : However, MNTx adds the remaining days so no issue when to download.

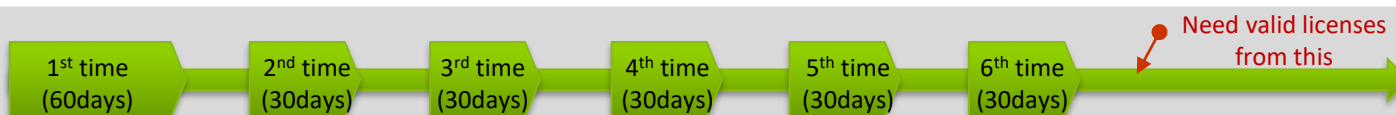
***3 : vUCP-CS2400S is replacing the previous CS2400 from Unified 3.5 in Jan/2019.**

***4 : Automatic SWA step pricing by port range from the license portal is supported from Q1/2020.**

Temporary license activation

■ Support “Temporary license activation” up to 6 times

- 1st time : 60days, next 5 times : 30days each
- Activation by System Admin - no need to download temporary license from the license portal
- Show Pop-up notice when enabling “Temporary License Activation” about “license upload required before expiration, limited service mode without valid licenses after expiration and recommendation on database download”.
- Daily email notice from 7days before expiration to pre-registered email in Web-admin.
- And also, daily notice to system attendant phone from 7 days prior to expiration (Disabled by default)



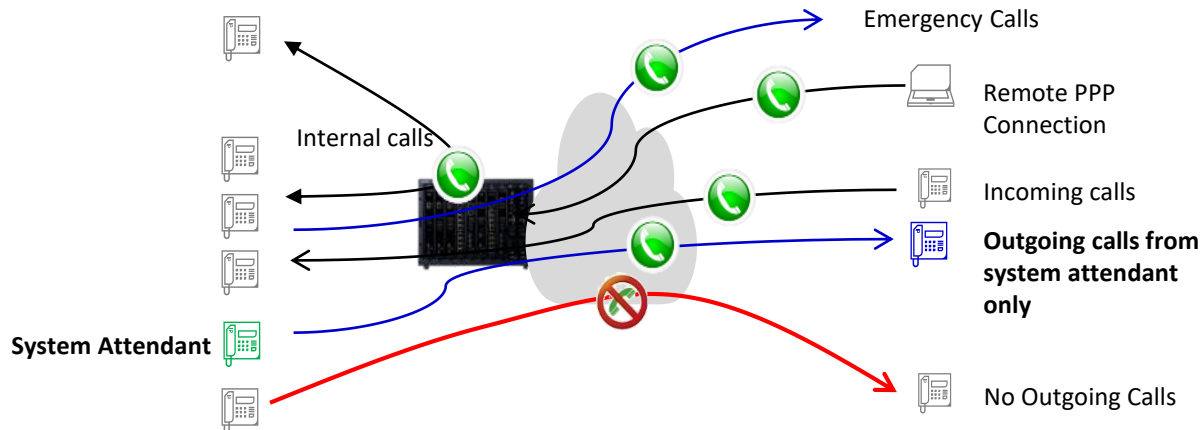
- If valid licenses at expiration → Normal operation
- If license in-valid at expiration → Disable feature or go to “limited service mode”. Refer to below table.

	eMG80/100/800/UCP/vUCP	CM
1) System feature license	Disable system feature	Disable system feature except TAPI, LNKGW, GR. *TAPI, LNKGW, GR → Go to “Limited Service Mode”
2) Seat/Copy base license	Disable the whole application or feature with in-valid license	Goes to “Limited Service Mode”
3) SPL/IPEXT/3SIPEXT	Goes to “Limited Service Mode”	Goes to “Limited Service Mode”

- Support emergency installation as well as multiple application trials
- Simple and Quick to implement via Web-Admin

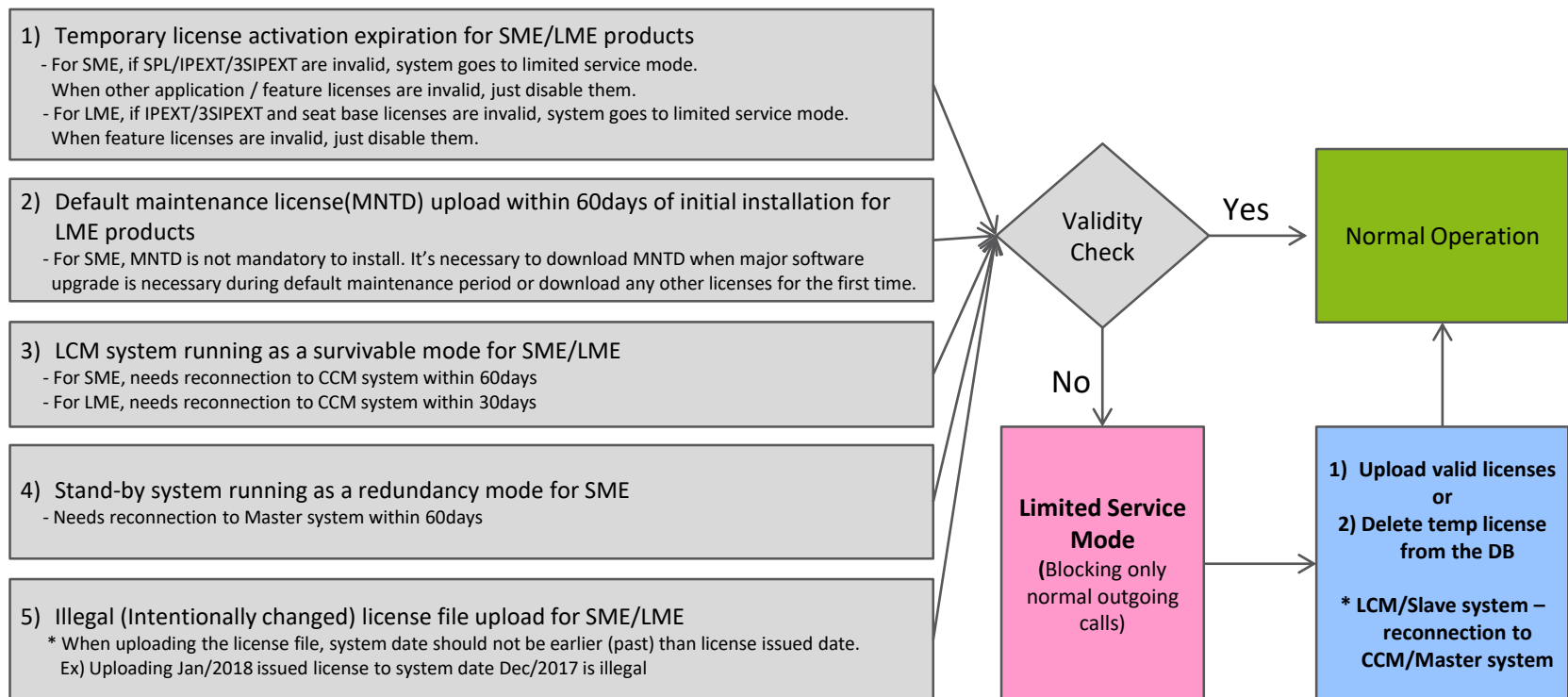
Limited Service Mode

- System goes to the “Limited service mode” when it reaches license invalidation.
 - Internal calls, Incoming calls and emergency outgoing calls are supported
 - Outgoing calls are only allowed from the system attendant (to be supported from Unified v3.0)
 - Remote PPP Connection is supported



Cases for going to "Limited Service Mode"

- Valid licenses should be uploaded before expiration for the following cases



Compatibility

Compatibility – Applications/features

Models	eMG80	eMG100	eMG800	UCP	vUCP
IPN	Yes	Yes	Yes	Yes	Yes
TNET (TNLS for CCM, TNLCM for LCM)	Yes (LCM mode)	Yes (LCM mode)	Yes (CCM/LCM)	Yes (CCM/LCM)	Yes (CCM/LCM)
MEX (Mobile Extension)	Yes (32ea by default)	Yes (32ea by default)	Yes (30ea by default)	Yes (100 - 30, 600/2400 - 10ea by default)	Yes (30ea by default)
Hotel feature license	Yes	Yes	Yes	Yes	Yes
Fidelio Interface	Yes	Yes	Yes	Yes	Yes
3rd party PMS Interface	Yes	Yes	Yes	Yes	Yes
3 rd party TAPI	Yes	Yes	Yes	Yes	Yes
AMP (ACD Manager Protocol)	Yes	Yes	Yes	Yes	Yes
AMSI (*Need IOT)	Yes	Yes	Yes	Yes	Yes
3 rd party SIP Apps (SIPS/SIPC)*	Yes	Yes	Yes	Yes	Yes
REST API (SMDR, Clickcall)	Yes	Yes	Yes	Yes	Yes
UCS Standard	Yes (6.1)	Yes (6.1)	Yes (6.1)	Yes (6.1)	Yes (6.1)
UCS Premium	Yes (6.1)	Yes (6.1)	Yes (6.1)	Yes (6.1)	Yes (6.1)
CCS	Yes (1.1)	-	Yes (1.1)	Yes (1.1)	Yes (1.1)
Report Plus	Yes (1.1)	-	Yes (1.1)	Yes (1.1)	Yes (1.1)
CCX	Yes (1.1)	Yes (1.0)	Yes (1.1)	Yes (1.1)	Yes (1.1)
CCX Report Plus	Yes (1.1)	Yes (1.0)*	Yes (1.1)	Yes (1.1)	Yes (1.1)
IP ATD	Yes (2.6)	Yes (2.6)	Yes (2.6)	Yes (2.6)	Yes (2.6)
IP ATD Hotel	Yes (2.6)	Yes (2.6)	Yes (2.6)	Yes (2.6)	Yes (2.6)
NMS	Yes (2.1)	To be supported	Yes (2.1)	Yes (2.1)	Yes (2.1)
IPCR	Yes (3.0+)	Yes (3.0+)	Yes (3.0+)	Yes (3.0+)	Yes (3.0+)

* To be supported in Q2/2020 with Unified 4.0

Compatibility - Terminals

Models	eMG80	eMG100	eMG800	UCP	vUCP
Digital Phone					
LDP-7000	Yes	Yes	Yes	Yes	Yes
LDP-7200	Yes	Yes	-	-	-
LDP-9000	Yes	Yes	Yes	Yes	Yes
LDP-9200	Yes	Yes	Yes	Yes	Yes
IP Phone (IPKTS)					
LIP-7000	Yes	Yes	Yes	Yes	Yes
LIP-8000 / 8000E	Yes	Yes	Yes	Yes	Yes
LIP-9000	Yes	Yes	Yes	Yes	Yes
LIP-9071	Yes	Yes	Yes	Yes	Yes
WiFi					
WIT-400HE	Yes	Yes	Yes	Yes	Yes
DECT					
GDC-450H	Yes	-	Yes	Yes	Yes
GDC-480H	Yes	-	Yes	Yes	Yes
GDC-500H	Yes	-	Yes	Yes	Yes
IP- DECT					
150dh	Yes	Yes	Yes	Yes	Yes
GDC-800H	Yes	Yes	Yes	Yes	Yes
110dh	Yes	Yes	Yes	Yes	Yes
Accessories					
EHSA	Yes	Yes	Yes	Yes	Yes

Compatibility – eMG100 KSU

	KSUD	KSUS	KSUSC	KSUSC-PKG
Default interfaces				
Default TDM interfaces	8D + 4S	2D + 6S	2D + 6S	2D + 6S + COIU4.STG
Default VM ch	4	4	2	2
Default VOIP ch	2	2	0	0
Default IPEXT license	32	32	0	0
Default UCS (Adv user)	2	2	0	0
Default Clickcall	2	2	0	0
Option board compatibility				
eMG100-COIU2	Y	Y	Y	Y
eMG100-COIU4	Y	Y	Y	Y
eMG100-PRIU	Y	Y	Y	Y
eMG100-BRIU1	Y	Y	Y	Y
eMG100-BRIU2	Y	Y	Y	Y
eMG100-BRIU4	Y	Y	Y	Y
eMG100-DTIB8	Y	Y	Y	Y
eMG100-SLIB8	Y	Y	Y	Y
eMG100-SLIU8	Y	Y	Y	Y
eMG100-VOIB48	Y	Y	Y	Y
eMG100-MEMU	Y	Y	Y	Y
eMG100-MEMU2	Y	Y	Y	Y
eMG100-MISU	Y	Y	Y	Y
eMG100-MODU	Y	Y	Y	Y
eMG100-RMB	Y	Y	Y	Y
eMG100-KCC	Y	Y	Y	Y
eMG100-BATTCABLE	Y	Y	Y	Y
eMG100-EXPCABLE	Y	Y	Y	Y
eMG100-SPLITTER	Y	Y	Y	Y

eMG100 vs eMG80

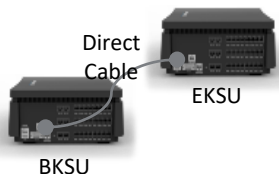
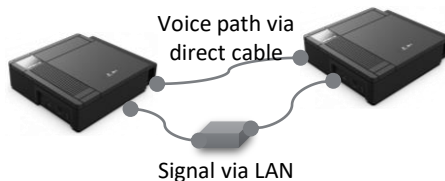
eMG100 vs. eMG80

eMG80		eMG100	
KSU	• 2 types of basic KSU • 3U height • RJ11/RJ45 mixed 	• One KSU • Compact design in 2U height • RJ45 interfaces for all ports 	
Expansion	• Separate EKSU 	• Same KSU	
Basic LAN	• 1 x 10/100M	• 1 x 10/100M	
Slot	• 2 option slots	• 1 dedicated trunk slot • 2 Universal slots • 1 daughter slot on DTIB8/SLIB8	
Option Boards	• Combo boards for trunk and extensions	• Separate boards for trunk and extensions	
VOIP/VM (Embedded)	• Embedded VOIP: max 8ch (2ch default) • Embedded VM: max 8ch (2ch default) → Common resource use for VOIP/VM : VOIP/VM up to 16ch	• Embedded VOIP: max 16ch (2ch default) • Embedded VM: max 16ch (4ch default) → Common resource use for VOIP/VM : VOIP/VM up to 16ch	
VOIP/VM (Option)	• Option VOIP/VM: max 8ch / 8ch	• Option VOIP: max 48ch	
MISC (default)	• Relay/Alarm/Ext MOH/Ext Page:1port each • RS232/USB: 1 port each	• Relay/Alarm/Ext MOH/Ext Page: 1 port each	
MISC (option)		• Optional MISU - RS232c/USB: 1 port each - 3 Relay /1 Alarm/1 Ext MOH/ 1Ext Paging	

* No CMU supported

- **One KSU** for multiple configurations/ expansion
- **Optimized options** for Increased flexibility / cost savings
- **Compact design** for 19" rack installations
- **Simple installations** with RJ45 interfaces
- Enhanced VOIP/VM capacity
- Improve **reliability**

eMG100 vs. eMG80

	eMG80	eMG100
System Software	Unified S/W	- Unified S/W 3.5 feature-set base at initial launch - Support Basic-level DB migration (eMG80→100)
2nd KSU support	By separate KSU 	By software (licensed feature) 
VM back-up / Restore	Via USB	Via Web
System Capacity Max trunk/extension TDM CO / PRI / IP DKT / SLT / IP	74 / 140 (214) 24 port / 1 PRI / 16 48 / 63 / 32	74 / 140 (214) 32 port / 1 PRI / 74 48 / 76 / 64
USB features DB Back-up and upload S/W upgrade VM Back-up and restore Trace	Via built-in USB Y Y Y Y	Via optional USB on MISU Y * Y * - (via Web) - (via Serial / LAN)

- Powerful out of the box UC / applications
- Same user experience
- Simple expandability
- Expanded capacity
- Simple Web UI for VM back-up / restore

* USB function will be supported in Q2/2020

eMG100 vs. eMG80

■ Hardware

	eMG80	eMG100
KSU	KSUA KSUI EKSU	KSUD KSUS KSUSC
Combo	CH204 / CH408 / CS416 / CD408 BH104 / BH208	
Trunk	BRIU2 PRIU	COIU2 / COIU4 BRIU1 / BRIU2 / BRIU4 PRIU
Extension	HYB8 DTIB8 SLB16	DTIB8 SLIB8 SLIU8
Others	WTIB4 VVMU MEMU / MEMU2 MODU RMB	- VOIB48 MEMU / MEMU2 *1 MODU *1 RMB MISU
Others		KCC BATTCABLE EXPCABLE SPLITTER (1xRJ45 to 4xRJ11) – up to partner's choice

*1 : same hardware as eMG80

eMG100 vs. eMG80

Models	eMG80	eMG100	eMG100 Compact	eMG800	UCP100/600/2400	vUCP
System port licenses (SPL)	max 214 by default	max 214 by default	max 214 by default	200 → 1,200	50/100/600 → 199/600/2,400	50 → 2,400
IP Extension licenses	Max 32 by default	32 → 64	0 → 64	30 → 600	30/10/10 → 199/600/2,400	30 → 2,400
Embedded resource license						
- VOIP channel license	2ch → 8ch	2ch → 16ch	0ch → 16ch	4ch → 8ch	4ch / 6ch / -	-
- VOIP switching license	-	-	-	-	0 → 16ch / 0 → 24ch / -	6ch → 250ch
- VM channel license	2ch → 8ch	4ch → 16ch	2ch → 16ch	4ch → 8ch	8ch / 8ch / -	8ch → 150ch
Feature licenses						
- IP Networking	License	License	License	License	License	License
- TNET (TNLS for CCM, TNLCM for LCM)	License (TNLCM)	License (TNLCM)	License (TNLCM)	License (TNLS/TNLCM)	License (TNLS/TNLCM)	License (TNLS/TNLCM)
- Geo Redundancy	-	-	-	-	License	License
- Hotel feature license	License	License	License	License	License	License
- Fidelio Interface	License	License	License	License	License	License
- 3rd party PMS Interface	License	License	License	License	License	License
- 3 rd party TAPI	License	License	License	License	License	License
- AMSI	License	License	License	License	License	License
- 3 rd party SIP Apps (SIPS/SIPC)	License	License	License	License	License	License
- AMP (ACD Manager Protocol)	License	License	License	License	License	License
- REST API – SMDR	License	License	License	License	License	License
- EXPM/EXPS	-	License	License	License	-	-
Apps licenses						
- UCS Per device licenses (Desktop, Mobile) * ¹	2D/2M → 199	-	-	-	-	-
- UCS User licenses (Basic, Advanced, Power) * ¹	2 (Adv) → 32	2 (Adv) → 32	0 (Adv) → 32	5 (Adv) → 600	2/10/20 (Adv) → 199/600/2,400	2 (Adv) → 2,400
- UCS Premium Server license	License	License	License	License	License	License
- Clickcall	2 → 140	2 → 140	0 → 140	5 → 600	2/10/20 → 199/600/2,400	2 → 2,400
- IP ATD	License	License	License	License	License	License
- IP ATD Hotel	License	License	License	License	License	License
- IPCR	License	License	License	License	License	License
- CCS/CCX	License	License (CCX)	License (CCX)	License	License	License
- Report Plus/CCX Report Plus	License	License (CCX R+)	License (CCX R+)	License	License	License
- NMS	License	License (P2)	License (P2)	License	License	License
SWA licenses						
- MNTD	License	License	License	License	License	License
- MNTD2/3/4/5/6	License	License	License	License	License	License
- MNT1/2/3/4/5	License	License	License	License	License	License
- MNTU1	License	License	License	License	License	License

*¹ : Only one type can be enabled by system admin.

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