

Design Your Business Communications with iPECS UCP

iPECS
Your Communications Solution

iPECS UCP is a modern Unified Communications Platform designed to meet SME and Enterprise communications' needs. As ground breaking innovative platform, iPECS UCP provides out of box UC and Mobility solution. In addition, iPECS UCP is flexibly scalable as a premium UC solution.

Embedded UC and Telephony

As the most compelling advantage, UC features are embedded in iPECS UCP. 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

Rich Business Applications

iPECS UCP provides a various range of applications and mobile clients to fulfill varying needs and requirements in the SME environments. Also, it offers interoperability with diverse 3rd party solutions as in hospitality, healthcare and other vertical industries, by enabling RESTfull API integration.

Wide Range of Mobility

iPECS UCP provides multiple mobility solutions to improve business productivity and decrease communication expenses. iPECS 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.

Ultimate Flexibility on Deployment

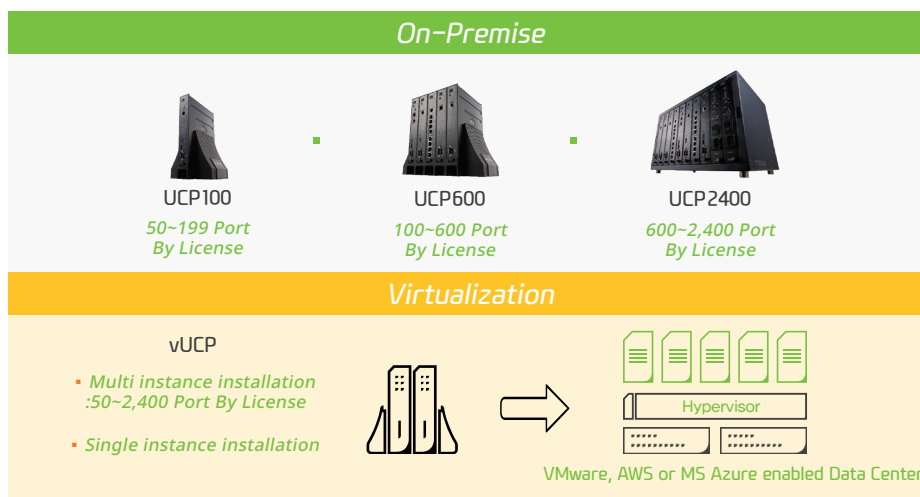
iPECS UCP as "Modular ALL-IP Architecture" enables flexible and cost-effective multi-site deployment with industry-unique architecture. Furthermore, virtualized deployment is supported to maximize flexibility on deployment as well. (iPECS vUCP is needed) It can be fully networked in T-NET (Transparent Networking) or Networking mode for local survivability and PSTN failover. Also, it provides call server (Local/Geo) and power redundancy for seamless communications environment. 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 UCP 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 capacity, communications features including UC solution

Virtualize Your Business Communications

iPECS vUCP (virtual UCP) is an iPECS Unified product for virtualization solution. iPECS vUCP, as a software base call server is running on VMware, AWS or MS Azure virtual environment. The software is same as on-premise iPECS UCP and all the system features as well. Under the equal user experiences, iPECS vUCP will make easy to deploy your business communication's flexibility and scalability. Also, it delivers an innovative way to manage diverse business applications and collaborate cost-effectively, so you can leverage business communications while keeping all the advantages of iPECS UCP.



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
- System geographic redundancy
- System hybrid geo-redundancy
- Web administration
- Web user portal
- Virtualization with iPECS vUCP

Applications

- iPECS UCS
- iPECS ClickCall
- iPECS Attendant (Office/Hotel)
- iPECS IPCR
- iPECS CCX
- iPECS CCX Report Plus

Supported Terminals

- 1000i Series
- LDP-9200 Series
- 150dh/ GDC-800H/120dh

3rd Party Applications and Open Interface

- Fidelio I/F
- Tiger TMS for hospitality solution
- 3rd party PMS Interface
- LAS for healthcare solution
- TAPI (3rd Party)
- RESTful API (SMDR, Clickcall)
- ACD Manager Protocol
- SIP Interface
- Alarm Messaging Server Interface
- MS Teams interworking

System Capacity

Category		UCP100	UCP600	UCP2400	vUCP	Remark
Main cabinet			10 Slot		-	10 th slot is for PSU
System ports (Default)		199 (50)	600 (100)	2,400 (600)	2,400 (50)	
IP Extension (Default)		199 (30)	600 (10)	2,400 (10)	2,400 (30)	
CO/IP Line		199	600	998	-	
UCS Standard clients	Default Option 1 (Desktop/Mobile)	2/2	10/10	20/20	-	Only one default option can be used
	Default Option 2 (Advanced User)	2	10	20	2	
	Max	100	200	400	400	
UCS Premium clients		199	600	2,400	2,400	
Clickcall (Default)		199 (2)	600 (10)	2,400 (10)	2,400 (2)	
Server Redundancy	Local/Geographical/Hybrid	-	O / O / O	O / O / O	- / O / O	w/ License for Geographical
Integrated Telephony ports	Standard/option	2FXS/option	-	-	-	4CO or 2BRI or 4BRI
	Built-in VOIP DSP*	2~6	6	-	-	Default
VoIP Channel	Built-in VOIP Switching**	16	24	-	Max. 126ch (default 6ch)	Built-in vOIM
	System Max	199	600	998	Max. 246ch	External vOIM
Built-in Audio Conference***		6/10/14/18	6/18	-	-	
VM	Built-in VM (Default)	8 ch/14 hrs (8/4)	8 ch/16 hrs (8/6)	-	Max. 64ch (8)	Built-in vUVM
	External VM (Default)		16 ch/200 hrs (8/50)		Max.144 ch/500 hrs	External vUVM
UVM/vUVM per system			30/1		30/1	
MCIM/vMCIM**** per system			30/30		30/30	

* In-band/Out-band SIP, Transcoding, Networking, Remote IP Phone/Devices ** Out-band SIP, Networking, Remote IP Phone/Devices
 *** VoIP DSP channels can be assigned to the MCIU, 2 VoIP = 4 Conf channels **** MCIM supports 4-32 party conferencing

Power Requirement

Item	Description	Specification
Module AC/DC Adapter	AC Voltage Input	100~240VAC +/- 10% @ 50/60Hz
	AC Current Input	1.0 amps
	DC Output	48 VDC @ 0.8 amps
Keypad AC/DC Adapter	AC Voltage Input	100~240VAC +/- 10% @ 50/60Hz
	AC Current Input	0.2 amps
	DC Output	48 VDC @ 0.3 amps
PSU	AC Voltage Input	100~240VAC +/- 10% @ 50/60Hz
	Fuse	T6.3, AC250V
	DC Output	48 VDC, 5.3 amps/5VDC @ 1 amps

Dimension & Weight

WxHxD (mm)	Standard Gateway Module	38.8 x 230 x 194.5
	Main Cabinet, Enhanced	440 x 265.6 x 318.2
	19" Rack Mount modules	436.6 x 53 x 318
Weight (Kg)	Standard Gateway Module	1.5
	Main Cabinet, Enhanced (with PSU module)	7.78(9.32)
	19" Rack Mount modules	4.32

Operating Environment

Temperature	0(°C) - 40(°C)/32(°F) - 104(°F)
Humidity	0 - 80%(Non-condensing)

System Components

Item	Board	Description
UCP Call Server	UCP100	Unified Communications Platform Server 100, Basic 50, Up to 199 port
	UCP600	Unified Communications Platform Server 600, Basic 100, Up to 600 port
	UCP2400	Unified Communications Platform Server 2400, Basic 600, Up to 2,400 port
	vUCP	Virtual Unified Communications Platform, Basic 50, Up to 2,400 port
Trunk Gateway	VCIM*	VOIP/Audio conference Module (Default 64 DSP channel, upto 128 channel)
	VOIM8/24	8/24 ch VoIP Interface Module
	LGCM4/8	4/8 port Analog CO Interface Module
	BRIM2/4	2/4 BRI(4/8 ch) Interface Module
	PRIM	1 port PRI(30 ch) Interface Module
	VOIM	250ch Virtual VoIP Interface Module (G.711 only)
Extension Gateway	VOIMT	32 ch Virtual VoIP Interface Module for Transcoding
	DTIM8/24	8/24 port Digital Line Telephone Interface Module
Other Gateway	SLTM4/8/32	4/8/32 port Single Line Telephone Interface Module
	MCIM	32 ch Multi-media conference interface module
	vMCIM	64 ch Virtual Multi-media conference interface module
	UVM	16 ch / 200 hrs Unified Voice Mail Module
	vUVM	Virtual Unified Voice Mail Module (150 ch / 500 hrs)
	ES8G/ES8GP	8 ports Gigabit switch/ 8 ports Gigabit PoE switch

* VoIP and Audio Conference can be mixed use. 1 VoIP channel uses 2 DSP channels and 1 Audio Conference channel uses 1 DSP channel

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