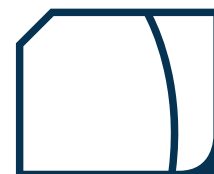# The next generation communications platform

iPECS UCM is a transformative enterprise-grade solution that provides a fully distributed IP architecture and a converged all-IP enterprise communications solution delivering a complete portfolio for unified communications.

iPECS UCM

Key Features

- Call Forward on busy or no answer
- Alternative Route Selection (ARS)
- Auto Called Number Redial (ANCR)
- Call Intercept
- Call override
- Voicemail
- Call Recording
- Fax over IP
- Paging
- Multi-Party Voice Conference
- Web-based Management
- Multi Tenant with individual numbering plan
- Hot desking
- Mobile Extention with One number service
- ACD(Automatic Call Distribution)

Applications

- iPECS UCE
- iPECS ClickCall
- iPECS RCCV
- iPECS Attendant (Office/Hotel)
- iPECS IPCR
- iPECS NMS
- iPECS CCX
- iPECS Report Plus
- iPECS eNMS, eVQM, eCSM

Supported Terminals

- 1000i Series
- LIP-9000 Series
- LDP-9200 Series
- IP DECT 100 Series
- * previous iPECS LIP/LDP are supported

3rd Party Applications and Middleware

- Web API (CTI, CATA)
- RESTful API
- TAPI (3rd Party)
- RCC Gateway for MS Lync/SfB
- Fidelio PMS Interface

All-IP enterprise communications solution

iPECS UCM provides IP telephony with various multimedia applications and mobility services. With the solution organizations are empowered with the most reliable, flexible, and secured communications. Full-IP architecture of iPECS UCM allows easy monitoring and managing of remote platforms through Web Management and SNMP based Network Management System.

Highly reliable solution for continuous service

With Active-Standby or Active- Active configurations, redundant call server of iPECS UCM provides a strong survivability against LAN/WAN or main call server failures. Geographic redundancy funtionality also guarantees the availability even when the primary site fails. Additional local survivability option(LCM) for branch offices also offers service continuity to ensure your business operates smoothly.

Future ready platform

From traditional PBX to the modern function readiness such as Hot Desk and Mobile Extension, migrate now from your current solution to the future ready communications solution. iPECS UCM adopts flexible and open interface for easy customizable configurations with any applications, services, and terminals.

Distributed architecture across multiple locations

A distributed IP Network architecture of iPECS UCM communicates transparently without geographic limitations. Users at headquarters and branch offices have access to the same features and functions delivered by the central call server. This architecture enables a flexible network configuration to fit any business, from branch offices, mobile offices, road warriors, and hosted or managed services to cloud services.

Best platform for unified communications

With iPECS UCE, terminals and applications run on your desktop or mobile phone/tablet PC providing calls, IM, file sharing for collaboration as well as video conferencing, equiping iPECS UCM to be the best cost-effective platform of Unified Communications. Open API such as RESTful API and CSTA interface can integrate external solutions into iPECS UCM. With easy integration, you can optimize the best UC services to any office types.

iPECS UCM Call Servers

Server Type		UCM-S60K	UCM-S30K	UCM-S10K	UCM-S4K	UCM-S2K
Capacity	Max. Capacity (Extenstion ports)	60,000	30,000	10,000	4,000	2,000
	Max. Trunk ports	30,000	10,000	5,000	2,000	1,000
Minimum System Requirements	CPU core	Quad core			Dual core	
	CPU clock	3.5 GHz			2.5 GHz	
	RAM	8G			4G	
	OS	Linux Cent OS				
	HDD	300GB				
	Enternet	2 Ports (10/100/1000Mbps)				

* Max capacity on Active-Active mode: 960,000 ports

System Components

System	Components	Description
Gateway Mobules	UCM-ASLM	Analog Subscriber Line Gateway Module: 32 Ch.
	UCM-DSLM	Digital Subscriber Line Gateway Module: 32 Ch.
	UCM-MATM	Multi-function Analog Trunk Gateway Module: 16 ports (CO/LD/RD, 2-wire E&M), 8 ports (4-wire E&M)
	UCM-COIU	Central Office Interface Unit: 4 CO ports
	UCM-EMUI	Ear and Mouth Interface Unit: 4 E&M ports
	UCM-LDIU	Loop Dial Interface Unit: 4 LD ports
	UCM-MDTM2	Multi-function Digital Trunk Gateway Module: E1/PRI Euro mode: 32Ch. (30B+1D), T1/PRI US mode: 24 Ch. (23B+1D)
	UCM-MDTMX2	Multi-function Digital Trunk Gateway Module 2 Link: E1/PRI Euro mode: 32 Ch. (30B+1D), T1/PRI US mode: 24 Ch. (23B+1D)
	UCM-VPCM	Voice Prompt and Conference Gateway Module: G.711:256/160/80(20/10/5ms), G.723.1:80, G.729. A:100, G.723.1:80, G.729. E:48, Opus:16
Cabinet	UCM-MGC3	Media Gateway Cabinet on 7U type Rack Mount with 11 champ connectors slots
	UCM-1URMC	Media Gateway Cabinet on 1U type Rack Mount
Power	UCM-PSUD	DC/DC Power Supply Unit

Dimension and Weight

Item	W (mm)	L (mm)	H (mm)	Weight (kg)
UCM-MGC3	443	409.3	310.3	17.3
UCM-1URMC	440	361.8	43.4	5.5
Gateway Module	255	334.5	30	*
UCM-PSUD	140	334.7	59.7	0.85

* Each Gateway Module has a different weight

Power and Environment Specifications

Power unit		Specification
UCM-PSUD	DC Voltage Input	DC -44V ~ -58V
	Fuse	T6.3A, AC250V
	DC Output Power	+5V DC/30 A
External Power	AC Voltage Input	88-276 VAC @ 50/60 Hz
	Fuse	T6.3A, AC250V
	DC Output Power	-50V DC/2.5A, +5V DC/3A

Environment		Condition
Temperature	Operation	0~40℃
	Storage	0~70℃
Humidity	Operation	20~80% non-condensing
	Storage	10~95% non-condensing