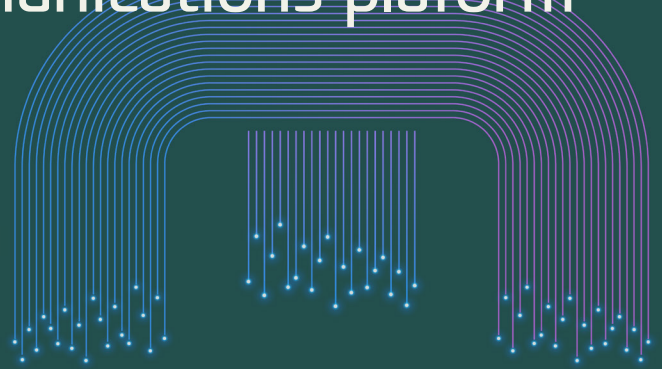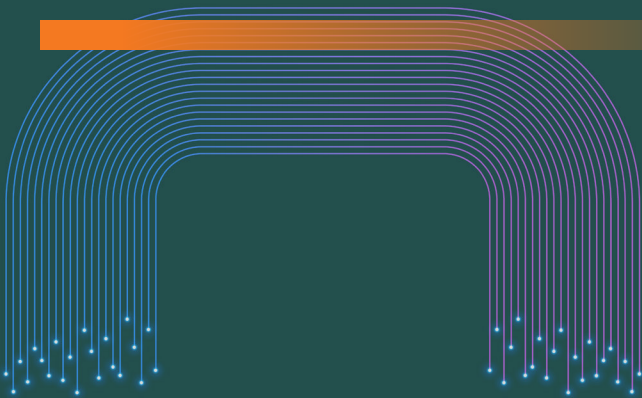The next generation communications plaform

iPECS UCM

iPECS

Your Communications Solution

ICT (Information & Communication Technology) is converging today's communications across all media types - voice, data, video, and applications - over one network, allowing most companies the ability to transfer to a unified infrastructure using the same communications language.

iPECS UCM employs an easy and flexible migration into today's unified communications environment to help increase revenue, save costs and enhance productivity. iPECS UCM's rich features and values deliver unlimited opportunities to your business.

All-IP Enterprise Communications Solution

iPECS UCM is an All-IP communications platform for medium and large enterprises. iPECS UCM provides IP telephony, various multimedia, applications, and mobility services over an IP environment. Its innovative design enables organizations to deliver the most reliable, flexible, and secured communications. iPECS UCM's IP architecture allows easy monitoring and managing of remote platforms through Web Management System and SNMP based Network Management System.

Highly Reliable Solution for Continuous Service

iPECS UCM redundant call server provides a strong survivability against LAN/WAN failure or main office call server failure with redundancy using Active-Standby or Active-Active configurations. iPECS UCM's geographic redundancy guarantees availability of communication even if the primary site fails. Additional local survivability option (LCM) for branch offices also offers continuous service to ensure your business operates smoothly.

Future Ready Platform

iPECS UCM offers an evolutionary path for your digital transformation journey, delivering various ways to migrate from your current to your future communication needs. From traditional PBX functions to the modern functionalities such as Hot Desk and Mobile Extension, iPECS UCM provides rich features enriching your communications environment. Its flexible and open standard interface also allows for customizable configurations with any applications, services, and end-points. iPECS UCM's Hosted/Centrex solution on All-IP platform with centralized management meets the today's requirements on cloud environment.

Distributed Architecture across Multiple Locations

iPECS UCM employs a distributed architecture across an IP Network to communicate 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 you to deploy a flexible network and configuration to fit any business needs, from branch offices, mobile offices, road warriors, hosted/ managed services to cloud based services.

Value Added Features for Customization

iPECS UCM provides rich features beyond traditional telephone systems enriching customer's experience even further. In addition to fully featured internal business communications, iPECS UCM incorporates basic Auto Attendant/Voice Mail, Least Cost Routing, Automatic Call Distribution, Web Management, VoIP Network Interface and customized Hotel solution.

Values and Features

Full and Flexible Scalability

The server-based system with various modular-type gateways working on an IP-backbone offers full scalability up to 960,000 ports with a S/W package from medium to large enterprise environments.

- Begin small and grow as you want, S2K/S4K/10K/30K/60K /120K/240K/480K/960K call servers based on capacity
- Scale up to 960K users on Active-Active mode with 8,192 local survival branches
- Support maximum 65K tenants
- iPECS UCP and iPECS eMG100 call servers can be used as a LCM

High Reliability

iPECS UCM ensures consistent operation of the system in case of network failure or natural disaster, which is especially important for large enterprises including banking, finance, government or managed/hosted service.

- Local and Geographical Redundancy (16 servers / 8 regions)
- Redundancy for Ethernet Link, Power, CTI Link, SMDA Link
- Local survivability and PSTN Fail over for WAN fail
- Backup Call Server for GW and IP Phone in case LCM fail
- Active-Active Redundancy (16 node / 8 node groups) with per node redundancy (4 per node / max. 64 servers)

Maximized Security on IP Communications

iPECS UCM is a proven secure communication solution with encryption, enhanced authentication and access security.

Security Management on Call Server

- System access control using Access Control List
- Subscriber authentication

Encryption between IP-PBX and IP Phone

- Protocol: TLS, sRTP / Algorithm: AES(Global standard)
- Key Exchange: ECC, RSA / RSA Certificate: DER, PEM

IP Phone VPN and 802.1x

- Built-in IP Phone VPN client ensures secured communication and reduces security cost
- And using port access control protocol, 802.1x, you can protect your companies network for safer communications.

Beyond Investment Protection

Your investment in other iPECS systems or phones can be utilized to work with your iPECS UCM, which helps to reduce your overall investment for new solutions and even creates new synergy.

- Keep using iPECS UCP gateway module, iPECS eMG100, common applications and end-points
- An easy extension of the 3rd party services
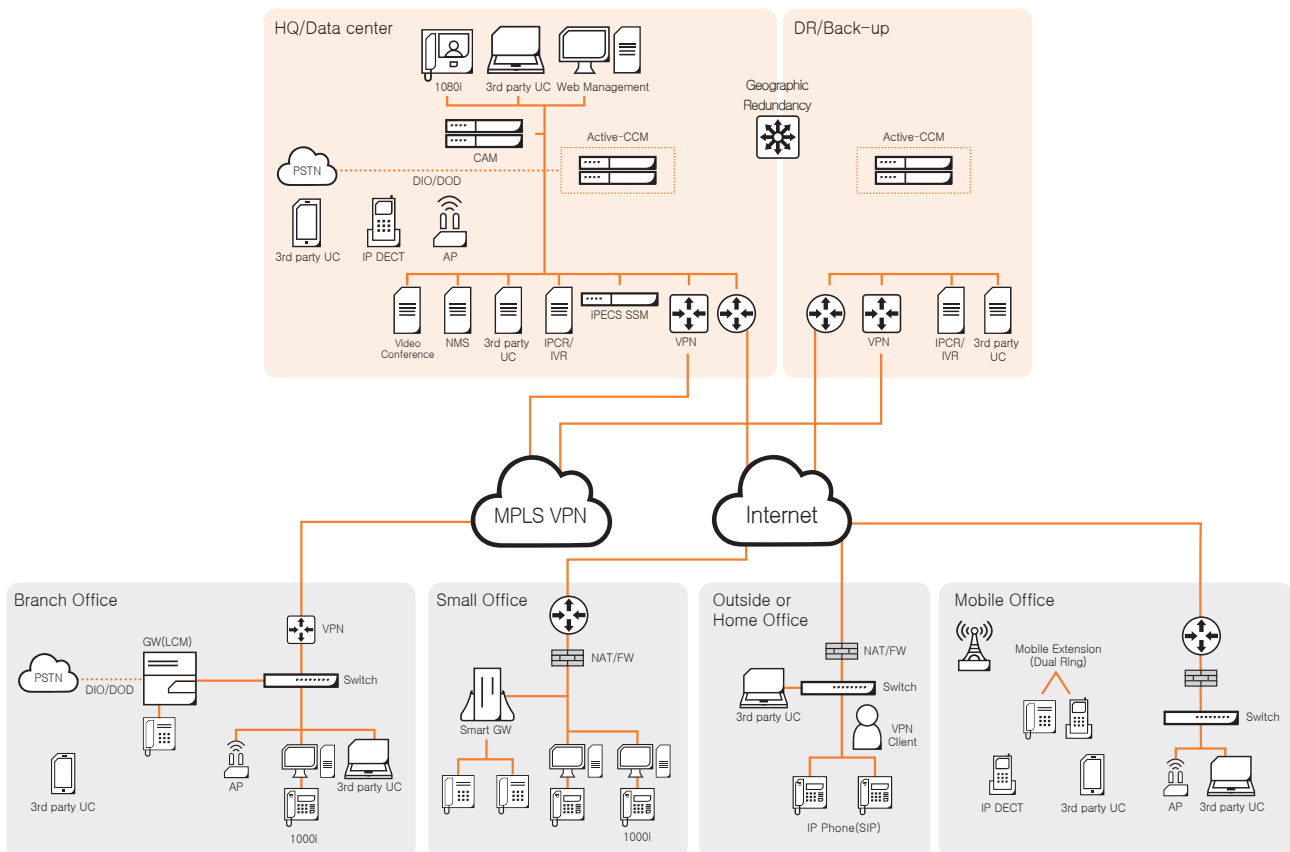
A Variety of System Phones

To an end user, the telephone that sits on the desk is the system. It is the critical interface that determines how easy it is to use the system, and in turn, how productive, effective and satisfied a user can be. That's why iPECS offers a wide range of user-friendly business sets to fit any business.

iPECS IP Phones support a comprehensive suite of telephony features and applications with solutions designed to meet varying communication needs from small to large environments. The portfolio includes desktop IP phones and IP DECT. Also, iPECS offers TDM analog and digital phones to meet the wide range of customers requirements.

IP Desktop Phone
- 1000i Series

Digital Desktop Phone
- LDP-9200 Series

IP DECT Phone
- 150dh, GDC-800H, 120dh

Easy and Efficient Applications

Every business has different communications needs and meeting these needs is critical for the business communications solutions. iPECS UCM offers various applications for you to fulfill different needs and requirements in your business. All applications are designed to deliver the efficient and powerful resolutions for your business.

Productivity Enhancement Solutions
- iPECS IPCR for call recording
- iPECS CCX for contact center and customer service
- iPECS CCX Report Plus for call statistic and billing
- iPECS Attendant Office/Hotel
- iPECS ClickCall

Easy Management and Monitoring Solutions
- iPECS eNMS for network management
- iPECS eVQM for voice quality monitoring
- iPECS eCSM for intelligent call analytics

iPECS CCX

iPECS eVQM

iPECS

Your Communications Solution