

# LG-ERICSSON ENTERPRISE COMMUNICATIONS SOLUTIONS





## Contents

|                                   |                     |
|-----------------------------------|---------------------|
| 02 _ Enterprise Business Platform | 16 _ Applications   |
| 06 _ Small and Home Office        | 18 _ Terminals      |
| 10 _ iPECS Ethernet Switch        | 26 _ Specifications |



## LG-Ericsson Enterprise Communications Solutions

LG-Ericsson, a joint venture between Ericsson and LG-Electronics, is a global leader in providing innovative technology and business communications solutions. LG-Ericsson enables enterprises to boost revenue, reduce costs, enhance customer service, and increase productivity.

With more than 40 years of experience, LG-Ericsson recognizes and understands customers concerns and requirements when selecting a communications solution. As a reliable business partner LG-Ericsson offers customized solutions to small and large enterprises with a portfolio ranging from mobile, fixed network infrastructure, voice and data solutions.

LG-Ericsson focuses on the following core values when delivering enterprise communications solutions;

- |                       |   |
|-----------------------|---|
| <b>Convergence</b>    | LG-Ericsson meets customer's needs for converged services including voice capabilities, applications suites, data networking and management tools.  |
| <b>Compatibility</b>  | LG-Ericsson protects your investments through feature enhancements in your existing environment and the seamless migration to a converged IP world when it works best for your business.                          |
| <b>Efficiency</b>     | LG-Ericsson offers total solutions including management platforms for UC, Mobility and Security which are designed to improve efficiency.   |
| <b>Future proofed</b> | Our R&D investment is focused on continuous technology leadership in IP Communications. The innovative technology enables easy expansion in either features or system capabilities as your business needs change. |

LG-Ericsson ensures your competitiveness through delivering end-to-end communication solutions that provide the answers for your business.

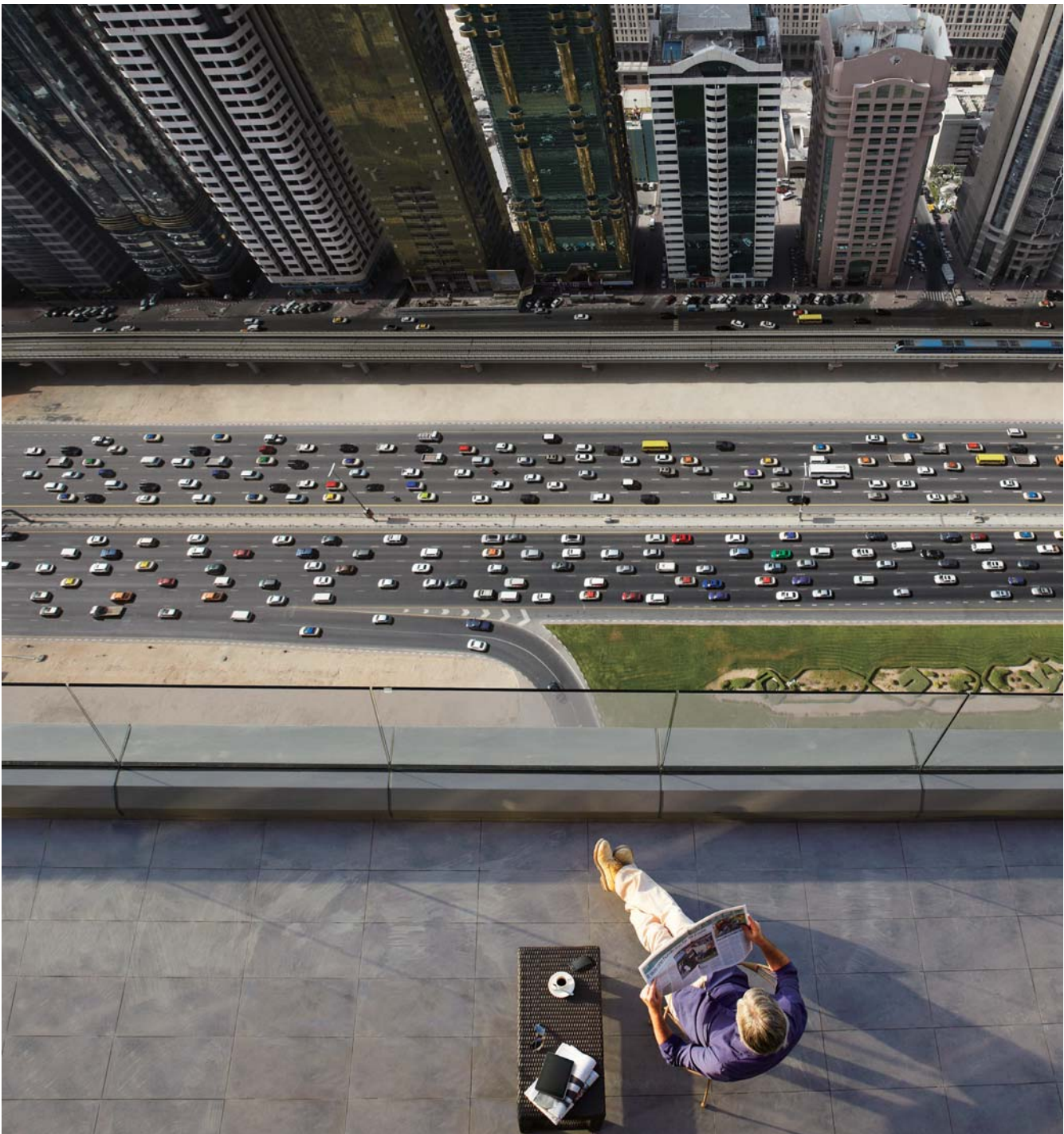


# ENTERPRISE BUSINESS PLATFORM

## iPECS Platforms

The value of any solution to an enterprise must be tied to the quantifiable results it can deliver to the organization. As an enterprise expands, these results become apparent as their workforce becomes mobile, global, and dependent on ease of communications and collaboration. For the business to perform and stay competitive, enterprises need tools that interoperate well together and bring fast, well informed, critical decision making that facilitates faster, more efficient performance in the work environment.

To meet the enterprise needs, LG-Ericsson offers the iPECS, converged IP Enterprise Communication Solutions, that delivers a complete product lineup for unified communications including voice, data and applications for small to large enterprises. iPECS call servers and gateways are at the heart of the iPECS solutions that have highly reliable hardware and software, fully distributed IP architecture and rich set of easy to use features.



# iPECS-LIK

## Pure IP Communication for the Medium and Small Business

### Features and Benefits

#### IP based fully distributed architecture

- Centralized call processing distributed across networks with highly diversified network architecture
- Flexible configuration up to a maximum of 1,200 ports
- Call fail-over to local PSTN if the connection to the master is lost
- Easy remote gateway installation and robust survivability capabilities

#### Application platform

- User friendly Unified Communications and collaboration tool
- Variety of 3rd party applications using AIM (Application Interface Messaging)
- Perfect feature set for the hospitality industry including PMS integration with industry leader Micros Fidelio
- Select from a host of business ready applications from LG-Ericsson

#### Enhancing the user experience

- Email notification and message retrieval options
- Pre-selected and customer recorded voice messages
- Various soft clients and mobility options

#### Minimizing TCO

- Lower CAPEX by utilizing a single network infrastructure and modular components
- Simple implementation for remote office and traveling workers



### Next Generation Pure IP Communication Solution

iPECS-LIK is the IP communication solution designed to meet the needs of small and medium sized businesses. iPECS-LIK delivers full IP-PBX functionality without compromising voice features and even becomes more intelligent.

Simple modular based IP infrastructure of the iPECS-LIK helps customers deliver a tailor made deployment. Based on the transparent infrastructure, it supports system redundancy, local survivability and scalability up to 1,200 ports.

iPECS-LIK supports a wide range of productivity enhancing applications such as Unified Communications, IP Call Recording, Phontage, Mobility, built in voice mail and UMS.

# iPECS-CM

Pure IP Communication for  
the Large Enterprise



## Large Enterprise Unified Communications Solution

iPECS-CM is the next generation IP-PBX that provides, in addition to IP telephony, various flexible high quality multimedia services, and mobility designed for medium and large enterprises.

iPECS-CM consists of a range of call servers and gateways for different requirements, and the platforms are flexible to expand from 500 up to 30,000 ports with 400,000 busy-hour call completion(BHCC).

iPECS-CM media gateways provide a simple interface to VoIP (Voice over Internet Protocol) technology, access to standards based telephony networks and applications for Unified Communications and collaboration.

iPECS-CM is also compatible with other iPECS solutions including systems, applications and IP Phones. Not only integrating with stand alone iPECS call servers, but also iPECS-CM uses iPECS-LIK and iPECS-MG as gateways for the remote sites with a local survivability option.

With the scalability and functionality fitting for large enterprises, iPECS-CM completes full iPECS lineup regardless of enterprise size.

## Features and Benefits

### Simple network architecture

- Flexible and simple network design on a pure IP based modular architecture

### Investment protection and cost savings

- A range of phones supports from high-end to existing analog phones: Video, IP / SIP, Wi-Fi, PDA, Softphone, Attendant Console, Digital phone, Analogue phone
- Communication cost reduction via internal VoIP calls and operational costs by easy to use centralized management

### Maximizing reliability and scalability

- Support maximum 30,000 users and 400,000 busy-hour call completion
- Unlimited scalability by networking multiple servers
- Local Survivability with a range of local call servers
- Multiple redundancy options including Call Server / LAN / Control / power unit
- Specialized large enterprise features: Directory Number, Digit Conversion, Mobile Extension, Intelligent Routing

### Enriching customers experience

- Use mixed trunks: Digital Trunk (E1 / T1 / PRI / SS7), Analog Trunk(E&M, RD, LD, CO) as well as SIP trunks
- Easy installation and LLDP, auto registration and management via web-based remote/central management
- Support LG-Ericsson's applications as well as interfacing to 3<sup>rd</sup> party solutions



# iPECS-MG

## IP Hybrid Solution for the SMB

### Customizable IP Hybrid Solution

LG-Ericsson has provided customized telephony solutions to the SMB market for many years. The iPECS-MG continues this tradition, building on field-proven technologies and architecture to satisfy core SMB priorities including simplification, flexibility, efficiency, convergence, compatibility, and environmental responsibility.

The iPECS-MG is a highly reliable, extensible and feature-rich hybrid business platform, the iPECS-MG supports complete single network IP solutions as well as mixed deployments consisting of both IP and TDM extensions.



### Features and Benefits

#### Smarter operation for Green IT

- Energy consumption is reduced by efficient power management

#### Simple and flexible architecture

- Built-in communication services and features for a customized platform
- Less user options for hardware and cost effective expansion using a simple architecture
- Easier operation and maintenance

#### Efficiency with enhanced features

- Future-ready technology, open standards based architecture and the latest PBX functions
- Rich applications for the SMB including Unified Communications, Auto-attendant / Voice mail and Contact center solution, etc.
- Centralized and remote management and monitoring for the complete system

#### Various terminals and multimedia communication interfaces

- Fax, analog, digital, IP phone, IP soft phone, DECT, video phone and various soft client for UC and collaboration

#### Converged solution

- Combined with a full range of terminals and applications
- Integrated with secure networking capabilities
- Centralized management with LG-Ericsson data products

#### Compatibility

- Smooth migration path from ipLDK-100 / 300 in LG-Ericsson BCS portfolio
- Former investment in TDM extensions and trunks protected and leveraged
- Enhanced IP platform and open standards based architecture for the future

## SMALL AND HOME OFFICE

### Smart and Efficient Solutions

New technologies in the realm of telephony bring communications advances that influence changes in business. Traditional imperatives in the SOHO telephony market are cost effectiveness and ease of operation and maintenance; the latest generation technologies provide both without requiring significant technical training and support. LG-Ericsson provides communication solutions that fit the needs of small businesses to help accelerate business opportunities and provide better customer satisfaction with sophisticated service options - while, giving them full-control to manage the system for themselves. In the end, no matter what the size your business is, LG-Ericsson delivers business critical solutions that give you a competitive advantage.





# ipLDK-60 / ARIA SOHO IP

## Intelligent SMB Communications

The LG-Ericsson ipLDK-60 combines an innovative, flexible architecture with the latest in Voice over IP technology and advanced applications to offer a new type of communication platform to small and medium businesses. Designed to support Analog, Digital and IP Phones and Trunks, the ipLDK-60 is ideal for businesses that have a mix of technologies— or are planning to transition between technologies. As your business requirements change, both in capacity and features, the ipLDK-60 can change with you and advance your business communications to the next level.

*ipLDK-60 is released as ARIA SOHO IP in some countries*

### Optimized SMB Hybrid Solution

- Up to 48 extensions
- Enhanced features are standard including Short Message Service (SMS), Caller ID, conference and etc.

Full networking included consisting of max.72 nodes and LG-Ericsson IP Phones, DECT, soft clients and 3rd party equipment with SIP Trunks

Sophisticated applications are affordable

Built in Voice Mail, Auto Attendant for customer greeting and call routing

- LG-Ericsson applications such as Phontage softphone, ezAttendant
- Computer application integration for remote system access for maintenance and SMDR (Station Message Detail Recording), etc.



# ipLDK-20 One Box Works Beyond Your Imagination

The ipLDK-20 is an optimized digital telephone system addressing SOBO (Small Office Branch Office) telephony market. It adopts LG-Ericsson's latest communication technologies including VoIP and enhanced business applications to offer an unsurpassed communication solution. ipLDK-20 consists of a basic system cabinet and an expansion pack which is mounted on top of the basic cabinet.

- Flexible modular growth from 4 CO/8 Ext. to 8 CO/24 Ext.
- LG-Ericsson's innovative digital and IP phone supports; LDP-7000, LDP-9000, LIP-7000 and LIP-8000, GDC-400H / 450H DECT
- Robust standard feature set; Built in Auto Attendant, Voice Messaging, Analog Caller ID, Virtual Conference Room and Hot Desk Support



## ARIA SOHO Simple Communications for SOHO

New technologies in telephony bring advancement in communications which in turn influence changes in business from large-sized enterprises to small ones. However, traditional imperatives in the SOHO telephony market stand fast asking for values like cost effectiveness, easy Operation and Maintenance at the forefront. ARIA SOHO is a latest offering, delivered on LG-Ericsson's digital technologies, to address the needs of communications in small and medium-sized enterprises and homes.

- Simple and smart telephone system with Plug & Play functionality
- Affordable scale up to 48 extensions and empowering analog extensions
- Services to monitor and restrict outgoing traffic (as needed) in order for a manager to control communication costs.
- Easy hands-on methods for maintenance and operation as PC-Admin software and Speed Editor for updating the user database.



## W-SOHO Optimized Wireless Telephony Solution for SOHO

The Wireless SOHO is the wireless telephony solution based on the LG-Ericsson's DECT technology addressing SOHO markets. So there's no need for extension cabling and it's very easy to move and expand. The wireless SOHO is easy to use and a simple solution due to its plug and play self installation and large LCD display for easy programming. The Wireless SOHO gives customers a lot of benefits during installation, management and operation.

- Consists of a Base station (LWS-BS) and 2 kinds of wireless terminals, either a desktop phone (LWS-WK) or a wireless handset GDC-400H / 450H DECT.
- Up to 3 CO lines with maximum 8 handsets / 7 wireless terminals
- SLT interface and Fax tone detection



# iPECS SBG-1000

## Smart Communications in a Single Unit

iPECS SBG-1000 is a truly converged communication platform tailored for small businesses and SOHO integrating IP telephony, data networking, wireless, security and IT needs in a single unit. iPECS SBG-1000 is optimized to deliver small businesses with limited budgets and resources the advanced communications capabilities of the larger enterprise yielding smart business outcomes.

iPECS SBG-1000 is, a next generation smart platform for multiple communication services designed to easily integrate with service providers' advanced managed services such as high speed broadband access and value added services while minimizing the installation and maintenance effort. iPECS SBG-1000 is the right answer to today's converged communication needs and, with its high-performance IP based platform, is ready to integrate with future IP applications and technologies.

### Advanced effective communication

- LG-Ericsson's advanced IP-PBX features
- Value added applications including VM, a range of IP Phones and soft phone for PCs or mobile devices
- Maximum 24 IP extensions with up to 6 SIP trunks without using DECT
- Options for PSTN back up trunk including 1CO, 2CO, 4CO, 1 BRI or 2 BRI

### Advanced and comprehensive data networking

- Embedded routing protocols, Gigabit WAN, 8 port FE LAN ports with 4 PoE, and Quality of Service
- Advanced 11n Wi-Fi with MIMO and DECT technology for anywhere anytime connectivity

### A robust set of embedded security options

- SPI firewall, VPN (IPSec, PPTP, L2TP), authentication methods, access controls and rate limiting

### IT Service functions

- Embedded print server, file server and USB interface to build a shared storage network connecting external USB devices
- FAX / PoS connect and relay for door control or alarms

### Easy installation and management

- Simplified installation and configuration using embedded smart install wizard with pre-defined configurations
- Local and remote management through an intuitive web-based GUI
- Interoperable with TR-069 and SNMP-based network management applications.





# iPECS ETHERNET SWITCH

Simpler and Smarter  
Networking for the SMB

Today, SMBs are facing more and more challenges with the growing complexity of IT solutions from its limited budgets and resources, however, they have to operate in the same business environment competing against larger enterprises. With the vision to deliver an optimized solution to best solve these challenges, the new iPECS Ethernet Switch families are designed to be simpler to install, smarter to manage, highly reliable and affordable. The new iPECS Ethernet Switch solutions perfectly solve the needs from the varying environments and challenges with less effort and lower investment now and in the future.

## Easy to Install

The iPECS Ethernet Switches have plug and play capabilities such as Auto-negotiation of speed and duplex mode, Auto-MDI / MDIX, at-a-glance intuitive status LEDs right on top of the ports. And also its intuitive web user interface makes the installation and administration much easier.

## Advanced Quality of Service (QoS)

Prioritization of the data on the network is essential in order to ensure that mission critical applications such as voice are delivered in a timely manner. The iPECS Ethernet Switches are able to classify packets into different priority queues and deliver each packet in the priority queues using WRR (Weighted Round Robin) or SPQ (Strict Priority Queuing) method.

## Flexible Power over Ethernet (POE models only)

The LG-Ericsson iPECS Ethernet POE switches are designed to support both 802.3af and 802.3at standard POE. Therefore, SMBs can flexibly and cost effectively connect standard and high powered devices on a single LG-Ericsson POE switch. In addition, the PoE control and monitoring can be easily managed via the intuitive web user interface.

## Green Ethernet (Gigabit models only)

iPECS Ethernet Switches incorporate the latest green Ethernet technology to help you save energy costs. The switches use either Energy Efficient Ethernet (EEE) or are able to detect link status and cable length allowing each port to dynamically configure providing maximum power efficiency.

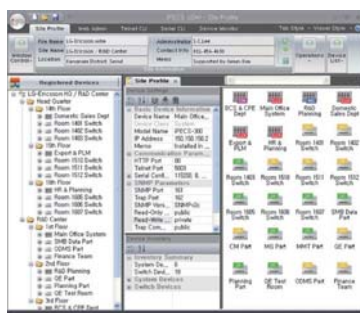
## Secure Networking

iPECS Ethernet Switches support key security features like RADIUS authentication and authorization as well as multi-layer filtering. The web management sessions can be secured with HTTPS encryption.

## Smart Management using UDM

LG-Ericsson offers a unique management tool, the Unified Device Manager (iPECS UDM), which enables the management of all iPECS product lines from IP Telephony to Data Networking via a single management interface. iPECS UDM simplifies network administration and management through the use of a single consistent and familiar interface.

- System / switch device registration using Site Profile
- Device parameters & inventory information
- Web admin interface
- Telnet / serial command line interface (ES-3000 only)
- Device / port info & traffic monitoring using SNMP
- Ping / traceroute test
- Windows layout control & excel report export











## iPECS ES Series







### iPECS ES-4500 Series L3 Switches

|   |   |  |  |
|---|---|--|--|
|  | <b>ES-4526G</b> <ul style="list-style-type: none"><li>• 24 10/100BASE-T Ports</li><li>• 4 Shared SFP Ports</li><li>• 2 10G Uplink Slots</li><li>• High Availability</li><li>• IPv4 and IPv6 routing support</li></ul> |  | <b>ES-4550G</b> <ul style="list-style-type: none"><li>• 48 10/100/1000BASE-T Ports</li><li>• 4 Shared SFP Ports</li><li>• 2 10G Uplink Slots</li><li>• High Availability</li><li>• IPv4 and IPv6 routing support</li></ul> |
|---|---|--|--|

### iPECS ES-3000 Series L2 Switches

|   |   |  |   |
|---|---|--|---|
|    | <b>ES-3026</b> <ul style="list-style-type: none"><li>• 24 10/100BASE-TX Ports</li><li>• 2 Gigabit Combo Ports (25~26)</li></ul>   |    | <b>ES-3026P</b> <ul style="list-style-type: none"><li>• 24 10/100BASE-TX Ports</li><li>• 802.3af/at PoE for all ports (Max 185W)</li></ul>        |
|    | <b>ES-3024G</b> <ul style="list-style-type: none"><li>• 24 10/100/1000BASE-T Ports</li><li>• 4 Shared SFP Ports (21~24)</li></ul> |    | <b>ES-3024GP</b> <ul style="list-style-type: none"><li>• 24 10/100/1000BASE-T Ports</li><li>• 802.3af/at PoE for all ports (Max 185W)</li></ul>   |
|   | <b>ES-3050</b> <ul style="list-style-type: none"><li>• 48 10/100BASE-TX Ports</li><li>• 2 Gigabit Combo Ports</li></ul>           |   | <b>ES-3050P</b> <ul style="list-style-type: none"><li>• 48 10/100BASE-TX Ports</li><li>• 802.3af/at PoE + for all ports (Max 410W)</li></ul>      |
|  | <b>ES-3052G</b> <ul style="list-style-type: none"><li>• 48 10/100/1000BASE-T Ports</li><li>• 4 SFP Ports</li></ul>                |  | <b>ES-3052GP</b> <ul style="list-style-type: none"><li>• 48 10/100/1000BASE-T Ports</li><li>• 802.3af/at PoE + for all ports (Max 410W)</li></ul> |

### iPECS ES-2000 Series L2 Smart Switches

|   |   |  |   |
|---|---|--|---|
|  | <b>ES-2026</b> <ul style="list-style-type: none"><li>• 24 10/100BASE-TX Ports</li><li>• 2 Gigabit Combo Ports (25~26)</li></ul>   |  | <b>ES-2026P</b> <ul style="list-style-type: none"><li>• 24 10/100BASE-TX Ports</li><li>• 802.3af/at PoE for ports (Max 185W)</li></ul>          |
|  | <b>ES-2024G</b> <ul style="list-style-type: none"><li>• 24 10/100/1000BASE-T Ports</li><li>• 4 Shared SFP Ports (21~24)</li></ul> |  | <b>ES-2024GP</b> <ul style="list-style-type: none"><li>• 24 10/100/1000BASE-T Ports</li><li>• 802.3af/at PoE for ports (Max 185W)</li></ul>     |
|  | <b>ES-2052G</b> <ul style="list-style-type: none"><li>• 48 10/100/1000BASE-T Ports</li><li>• 4 SFP Ports</li></ul>                |  | <b>ES-2052GP</b> <ul style="list-style-type: none"><li>• 48 10/100/1000BASE-T Ports</li><li>• 802.3af/at PoE for all ports (Max 410W)</li></ul> |

# APPLICATIONS

## Empowering Business Communication and Collaboration

To enrich the business communications experience and empower collaboration, applications are critical in addition to IP telephony platforms. LG-Ericsson provides a variety of software applications for business communication and collaboration. Unified Communications Solution (UCS) is designed for enterprise business customers, Phontage is an IP based soft client that can fully replace a desktop keyset. TAPI based office CTI application and PC based attendant console are also available with all the platforms. Server based unified messaging solution can improve users' productivity when combined with iPECS platforms. Management applications for network, systems and phones afford customers convenience for administration and management.





**iPECS UCS**

## Single Point of Communications, Enhancing Business Performance

LG-Ericsson's iPECS Unified Communications Solution (UCS) is a powerful multimedia collaboration and productivity enhancing tool designed for the small to large enterprises. Its single server architecture helps SMB's start experiencing the next generation communication solution without investing in enterprise level equipment. The rich features, capability and the ability to integrate 3rd party solutions are well-suited for large enterprises' UC environment.

## Presence enabling improved responsiveness and enhanced productivity

- Real-time presence information displaying user status at a glance
- Selecting the best communication method based on the user presence information; via voice, email, Instant Messaging or video
- Easily search a central company database as well as local databases

## Easy to configure conferences

- Even easier traditional voice conferences by using virtual conference rooms, conference group calls or simple ad-hoc conferences
- Multi-party video conferencing between up to 6 users
- Simple video conferencing without complicated configuration, set up codec or expensive custom hardware



## Information sharing

- Private presentations using integrated Desktop and Application Sharing
- Web push and file sharing during a conference

## Single server solution

- Each component is integrated and controlled by a central management tool (OMS)
- Flexible licensing based on number of concurrent users
- Supporting up to 2,000 concurrent logins and 6,000 registered users per server



## Business purpose UC solution

- Secure instant messaging unlike public messaging service
- Logs and details of client activity
- Remote system monitoring and feature usage statistics for efficient resource management

### Simple and intuitive user interface

- Enriching the user communication experience via the intuitive and consistent UI

# Soft Clients

## IP based Soft Phone Applications

Soft clients turn your PC, laptop or mobile phone into a complete IP terminal with many additional features. These are ideal for users who communicate frequently, manage multiple calls, set up ad-hoc conferencing, and need to be highly available. The solutions provide users with anytime, anywhere access to unified communications capabilities including voice calling, audio conferencing, corporate directories, and communication logs.



### iPECS Phontage

iPECS Phontage is a multi-media communication tool that integrates the extensive iPECS voice communications capabilities with communications aware applications on your PC, PDA or Symbian Smartphone. The iPECS Phontage user friendly interface enriches your communications experience and eases access to contact databases.

#### Powerful communication tool

- All the features of an IP multi-button desk phone
- Link to the users desk phone with simultaneous ring
- Phone book, Call log, Scheduled dial, SMS, Video calling and Application sharing features

#### Simple personal contact management

- Personal phone book with links to the users' PIM (Personal Information Manager) such as Microsoft Outlook, GoldMine, and ACT!
- Synchronizing the DB with Outlook contacts and scheduler for simple data management

#### Variety of client types

- Available in several versions; Basic, Deluxe and PDA
- Basic: powerful tool for users with intense communication needs
- Deluxe: users who need one-on-one multimedia collaboration
- PDA: perfect multi-tasking mobile communicator



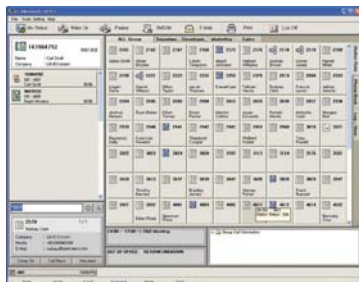
### iPECS Communicator

iPECS Communicator is a software application resident on mobile smart phones running Android and iOS operating systems. iPECS Communicator is a SIP based softphone for users who need to keep seamless communications with one number either using a mobile or office phone. Basic call features including dial, pick up, hold, transfer and other features such as Short Message Service (SMS), call log, phone book are supported.

# Software Attendant Console

## Operator and Information Solutions

LG-Ericsson provides PC-based software attendant consoles that integrate telephony with external call data and workforce information. The applications simplify call handling and meet evolving communication requirements. As the operator consoles for LG-Ericsson's communication systems, ez-Attendant and iPECS Attendant give highly efficient telephony connections for attendants, receptionists and secretaries. They allow operators to quickly and easily provide communications and presence information for any telephony connection request.



### iPECS ez-Attendant

iPECS ez-Attendant works in conjunction with the Attendant's IP phone providing enhanced attendant features and efficiency.

#### Easy to use attendant

- Mouse point and click or programmable hot keys to select features
- Pop-up incoming call window
- Real time presence showing the status of users

#### Flexible call handling

- Click to pick-up a call from the waiting list
- Drag and drop the call from the queue to another station for handling
- Type the destination name or number to transfer the call quickly

#### Directory management

- Local and corporate contact database integration for quick access
- Compatible with Outlook, Excel, ACT! and GoldMine



### iPECS Attendant

iPECS Attendant is the IP attendant console that extends the features of ez-Attendant features with soft phone function, hotel features and an improved user interface. iPECS Attendant integrates with iPECS Call Servers; iPECS-CM, iPECS-MG and iPECS-LIK.

#### Embedded softphone functions

- Operating without the need for an external phone
- High quality voice communication using a PC

#### Hospitality features\*

- Check in / out, wake up call, room status, room cut off etc.
- iPECS Attendant Hotel Version will be released for iPECS LIK in Q2, 2012

#### Easy to use interface

- Easier and more intuitive design and display icons
- Flexible display options
- User interface and functionality is customized for each iPECS platform

\* Hospitality feature is dependant on the iPECS Platforms.



# iPECS UMS

## Unified Messaging Solution



iPECS Unified Messaging Solution (UMS) is a tool that helps business become more dynamic and efficient. Users are able to access all messages from their email to help them manage their time and prioritize message handling.

### Powerful Unified Messaging and more

- Unified messages for Voice, email and fax
- Easy to manage and access: via phone or email clients
- Accessible from any remote phone
- Text to speech

### Powerful Auto attendant and voice mail

- Flexible scenario management: Maximum 25 vocal menu levels, multi-language company greeting options
- Easy to edit using web administration interface
- Easy to handle personal greetings
- Fax-on-demand service, company directory look up

### Desktop call control

- Simple incoming call handling, call pop-up with caller ID
- CID-based call screening

# iPECS NMS

## Multi-site Management Tool for SMB



iPECS Network Management Solution (NMS) is a powerful tool for managing fault information, monitoring real time status, maintaining call statistics and databases of multiple iPECS appliances.

iPECS NMS is a Web based application enabling communication managers to access NMS via Internet Explorer from any PC. Providing services for up to 1,000 iPECS Call Servers except iPECS-CM, iPECS NMS employs standard SNMP (Simple Network Management Protocol) to identify and “trap” events should a problem occur.

### Fault management and real-time system monitoring

- Monitoring registered systems in real-time to deliver fault and alarm event statistics.
- Automatic email alerts defined as critical by the system manager

### Inventory management

- A list of the resources and components for all registered systems including call servers, gateways, terminals, soft phones, and software associated with systems and components

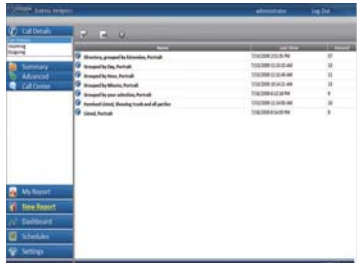
### Various traffic statistics

- Easily analyzing the traffic data to determine under or over usage of resources and usage trends to adjust system configuration
- Detailed and summary data for call accounting and cost allocation

### Easy installation and operation

# iPECS Contact Center Suite

## Compact Contact Center Application for iPECS



LG-Ericsson offers a Contact Center applications suite designed for small and medium business integrated with iPECS Call Servers. iPECS Contact Center Suite consists of ACD, CTI and Reporting modules as part of the basic package and many optional value added function modules. Desktop agent and supervisor applications are also provided. With iPECS Contact Center Suite, you can enjoy the full features of the iPECS product line in a contact center environment.

### Intelligent Auto Call Distribution (ACD)

- Distributing inbound calls based on the administrator or business rules
- Skill base routing, group based routing, priority queuing and etc.

### CTI functions

- CTI functions such as pop up and routing to monitor and control the telephone devices using TAPI protocol
- Playing announcements from the embedded media processing software

### Web based reporting tool

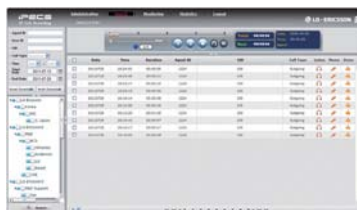
- Real-time monitoring and historical reports on a range of call accounting, billing, call analysis and others
- Integrating with Voice Recording or CRM / Database in the contact center to show comprehensive reports

### Enriching the functionality with optional modules

- Offering 27 optional modules
- Multimedia call management including call back in queue, web call back, and email, fax and voice message queuing
- Outbound call, IVR for improving contact center environment
- Social Media to professionally measure and manage one of the newest and most exciting communication methods

# iPECS IPCR

## IP Call Recording



iPECS IP Call Recording (IPCR) is a call recording and monitoring solution tightly integrated with iPECS Call Servers optimized for small and medium sized offices and contact centers. IPCR is designed as a simple and cost effective solution, while it delivers powerful value added features. iPECS IPCR can meet the needs of robust call recording to ensure regulatory compliance and quality management.

### All in one cost effective solution

- Single server solution
- Low total cost of ownership

### Feature rich solution

- Basic monitoring and statistics reporting functions
- Powerful value added features including voice packet encryption, local survivability, remote maintenance, and fault alarms

### Flexible deployment like other iPECS solutions

- Recording, monitoring and saving conversations of remote branch, home office and road warriors either in a central server or local server based on the user demands
- Up to 10 iPECS call servers can be registered with an IPCR server
- Up to 10 IPCR servers per iPECS-LIK server

# TERMINALS

## Business Communication 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 they can be.

That's why LG-Ericsson offers a wide range of user-friendly business sets to fit any business.

LG-Ericsson 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, IP conference phone and Voice over Wireless LAN handsets. LG-Ericsson also offers TDM analog and digital phones to meet the wide range of customers requirements.





# LIP-8000 Series IP Phones

Enjoy the wide selection of system IP phones. There are 7 types from entry level to professional business terminals, designed to best fit their business needs. The LG-Ericsson proprietary protocol provides fully integrated system features just like a conventional feature rich PBX solution.

Simple installation and maintenance is designed into the phones. Managers and administrators can access the system via the web admin from any remote location. The intuitive user interface helps manage sophisticated feature configuration and easy maintenance routines. New LIP-8000E Series are designed easier installation and maintenance with built in LLDP (Link Layer Discovery Protocol) and 802.1x security support.



## LIP-8050V

Premium desktop IP phone with video

- Informative large full color display (480x272, WQVGA) and GUI
- Video communication (QCIF, CIF, 15 FPS)
- Media player (MP3,3GP), photo viewer
- User programmable 5 feature keys with LCD labeling
- USB host 1.1 (supports USB-storage)



## LIP-8040E / LIP-8040L

IP phone for executives

- Informative large 9 Line backlit LCD
- User programmable 10 feature keys with LCD labeling
- BLF information with triple color LED
- Professional headset integration via RJ11
- LLDP-MED / 802.1x security support\*
- Open VPN support \*
- Gigabit support \*



## LIP-8024E / LIP-8024D

IP phone for professional call handling position

- 4 Line backlit LCD
- User programmable 24 feature keys
- BLF information with triple color LED
- More informative display with feature icons
- LLDP-MED / 802.1x security support\*
- Open VPN support \*
- Gigabit support \*

\* Only applied to LIP-8000E Models



## LIP-8012E / LIP-8012D

Everyday use standard IP phone

- 3 Line backlit LCD
- BLF information with triple color LED
- High quality voice codecs
- LLDP-MED / 802.1x security support\*
- Gigabit support \*
- User programmable 12 feature keys
- Enhanced quality conference call
- Open VPN support \*



## LIP-8008E / LIP-8008D

Alternative standard IP phone

- 4 Line LCD
- BLF information with triple color LED
- High quality voice codecs
- User programmable 8 feature keys
- Enhanced quality conference call
- LLDP-MED / 802.1x security support\*



## LIP-8002E / 8002AE

Entry level IP phone

- 2 Line LCD, Grey scale graphic display
- LLDP-MED / 802.1x security support\*
- User programmable 4 feature keys
- LIP-8002E (PoE support) / LIP-8002AE (non PoE with adapter)



LIP-8012DSS



LIP-8048DSS



LIP-8012LSS



LIP-8040LSS

|              | LIP-8012DSS            | LIP-8048DSS            | LIP-8012LSS            | LIP-8040LSS                 |
|--------------|------------------------|------------------------|------------------------|-----------------------------|
| DSS keys     | 12 w/ triple color LED | 48 w/ triple color LED | 12 w/ triple color LED | 40 w/ triple color LED      |
| Underlay     | Paper                  | Paper                  | LCD                    | LCD                         |
| Power supply | Via keyset up to 2     | Via external up to 4   | Via keyset up to 2     | Via external or PoE up to 9 |

\* Only applied to LIP-8000E Models

# LDP Series Digital Phones

The LDP Series are LG-Ericsson's Digital desktop phones that bring the functionality of iPECS-LIK, iPECS-MG and ipLDK to the desktop with display-based interfaces, call log, self-labeling keys, and simplified administration. Also LG-Ericsson digital telephones meet the diverse requirements for features, reliability, ease of use, and productivity as well as ergonomic user friendly design.



## LDP-9030D

- 3 Line LCD with high visibility backlighting
- 30 Programmable buttons
- More extension handling with optional DSS
- Hands-free operation with optional Bluetooth
- 3 Soft keys
- 7 Fixed buttons



## LDP-9008D

- 2 Line LCD with high visibility backlighting
- 7 Fixed buttons
- Paper underlay
- Enhanced high quality conference calling
- 8 Programmable buttons
- Wall mountable
- Flexible desktop configuration options via tilting handset



## LDP-9048DSS

- 48 Programmable buttons
- Compatible with LDP-9030D
- Paper underlay
- Up to 5 DSS consoles supported





## LDP-7024LD

- 9 Line Large LCD
- 7 Fixed buttons
- Call recording
- Additional device port for SLT / FAX
- Navigation
- 3 Soft buttons
- Hands free operation
- 24 Flexible buttons
- Speaker phone
- Wall mountable



## LDP-7024D

- 3 Line LCD
- 7 Fixed buttons
- Call recording
- Additional device port for SLT / FAX
- Navigation
- 3 Soft buttons
- Hands free operation
- 24 Flexible buttons
- Speaker phone
- Wall mountable



## LDP-7016D

- 3 Line LCD
- 7 Fixed buttons
- Additional device port for SLT / FAX
- Navigation
- 3 Soft buttons
- 16 Flexible buttons
- Speaker phone
- Wall mountable



## LDP-7008D

- 2 Line LCD
- Speaker phone
- 8 Flexible buttons
- Headset jack
- 5 Fixed buttons



## LDP-7004D

- 1 Line LCD
- 2 Flexible buttons
- 5 Fixed buttons
- OHD
- Message waiting lamp



## LDP-7004N

- 2 Flexible buttons
- 5 Fixed buttons
- OHD
- Message waiting lamp

# DECT

## Business DECT Solution

GDC-450H and GDC-400H are excellent choices for a business DECT solution.



### GDC-450H

- Robust housing for indoor harsh environments
- Scratchproof window and printed buttons
- Feature rich 1.5" full color LCD
- Standby 130 hrs / Talking 20 hrs
- Vibration and Ring LED
- Easy menu via navigation and softkeys
- 2.5mm ear mic jack
- Backlit LCD and keypad



### GDC-400H

- Mobile like user interface
- Feature rich 1.5" full color LCD
- Multi language menu support
- Different ring tone up to 9
- Vibration and Ring LED
- Backlit LCD and keypad
- Standby 150hrs / Talking 15 hrs
- 2.5mm ear mic jack



### GDC-600BE

- Base station for GDC-450H and GDC-400H
- 6 simultaneous calls, 300m RF distance
- 3 LED Indicators

# Analog

## Single Line Telephones

Family look and feel design with LDP-7000. In addition to provide the design consistency in your business, LKA series contains a set of user friendly features and secure connection to LG-Ericsson PBX's.



### LKA-220C

- 16 Digits, 3 Line LCD
- On hook dial
- Earphone jack / Headset mode switch control
- Ring lamp / Direct memory (3)



### LKA-210

- 16 Digits, 3 Line LCD
- Speakerphone
- Earphone jack / Headset mode switch control
- Ring lamp / Direct memory (3)



### LKA-200

- Simple SLT / Non-display
- 4 Memory buttons
- Redial / Volume control

# Standard SIP Terminals

To exploit the advantages of IP telephony to its fullest, you need the right terminal. LG-Ericsson offers the broadest array of IP terminals ranging from a basic entry level IP phone that lets you enjoy the benefits of IP telephony in its simplest form to the highly sophisticated needs of executives and global communicators. The LG-Ericsson SIP phones are cost effective, simple to install and easy to use with future proof technology.

## IP8800 Series SIP Deskphone



### IP8840E / IP8840

IP phone for executives

- Informative large 9 Line backlit LCD
- Standard SIP protocol / MGCP protocol (IP8840 only) support
- User programmable 10 feature keys with LCD labeling
- Open VPN support \*
- Gigabit support \*
- LLDP-MED, 802.1x Security support \*



### IP8830E / IP8830

IP phone for professional call handling positions

- 4 Line backlit LCD
- Standard SIP protocol / MGCP protocol (IP8830 only) support
- User programmable 24 feature keys with triple color LED
- Open VPN support \*
- Gigabit support \*
- LLDP-MED, 802.1x Security support \*



### IP8820E / IP8820

Standard IP phone

- 3 Line backlit LCD
- Standard SIP protocol / MGCP protocol (IP8820 only) support
- User programmable 12 feature keys
- Open support \*
- Gigabit support \*
- LLDP-MED, 802.1x Security support \*



### IP8815E / IP8815

Basic IP phone

- 5 Line LCD, Grey scale graphics
- Standard SIP protocol / MGCP protocol (IP8815 only) support
- User programmable 8 feature keys with triple color LED
- Open VPN support \*
- LLDP-MED, 802.1x Security support \*



## IP8802 / 8802A

Entry level IP phone

- 2 Line LCD / User programmable 4 feature keys
- LLDP-MED support \*
- IP8802 (PoE support) / IP8802A (non PoE with adapter)

*\* Only applied to IP8000E Models*

## SIP Wireless Phone



Tightly integrated system features make the WIT-400H a perfect business mobility terminal. Industry proven iPECS family, LG-Ericsson's IP-PBX solution, has complete interoperability with sophisticated business features.

## WIT-400H

- 2" TFT Color LCD
- SIP based system terminal
  - Fixed feature keys : Hold/Save, Trans / PGM
  - Soft menu keys and flexible button assignment
- 802.11b/g compatible
- Desktop Charger (TA / TC type)
- Web browser for public hot spot log in
- PTT (Push to Talk)
- Standby time 60hrs
- Talk time 3hrs
- WEP / WPA / WPA2
- 2.5mm ear mic jack
- Melody ring & Vibration
- Belt clip (optional)

## SIP Conference Phone for iPECS



iPECS Audio Conference Terminal delivers high performance audio conferencing and supports multiple sources. Just connect to the LAN and ACT-50 is ready to bring your conference experience to a new level with advanced audio technology and high-fidelity sound. It supports three built-in interfaces-LAN, LINE and Audio (in /out)-and the integrated Audio Mixer to connect between any types of interfaces.

## ACT-50

- DHCP and static IP support
- Time synchronization using the SNTP server (Time zone setup, SNTP interval setup)
- Standard SIP compliance
- Echo length control (Room size = Large / Medium / Small)
- Natural Voice Enhancer feature (High frequency boost)
- MIC/audio-in/audio-out gain control
- Arrayed microphones (directivity controlled)
- Zone, Spot audio pickup function
- Call history (50 calls)
- Address book (16 SIP and 50 PSTN addresses)
- Backlit LCD with contrast control
- Web GUI, Password protection
- Syslog support
- PSTN: DTMF and pulsed line support\*
- PSTN: hook time control
- External audio support

*\* PSTN support application in your country may differ from others, so please check LG-Ericsson web site for details.*



# SPECIFICATIONS

## LIP-8000 series

|                   | LIP-8050V  | LIP-8040E<br>LIP-8040L | LIP-8024E<br>LIP-8024D | LIP-8012E<br>LIP-8012D | LIP-8008E<br>LIP-8008D | LIP-8002E<br>LIP-8002AE |
|-------------------|--|------------------------|------------------------|------------------------|------------------------|-------------------------|
| LCD               | 4.3 inch   | 9 line LCD             | 4 line LCD             | 3 line LCD             | 5 line LCD             | 2 line LCD              |
| Backlit           | Yes  | Yes                    | Yes                    | Yes                    | -                      | -                       |
| LAN               | 2 x 10/100BASE-T   | 2 x 10/100/1000BASE-T* | 2 x 10/100/1000BASE-T* | 2 x 10/100/1000BASE-T* | 2 x 10/100BASE-T       | 2 x 10/100BASE-T        |
| Programmable keys | 5  | 10                     | 24                     | 12                     | 8                      | 4 (w/o BLF)             |
| Soft key          | 3  | 3                      | 3                      | 3                      | 3                      | -                       |
| Navigation        | Yes  | Yes                    | Yes                    | Yes                    | -                      | Yes                     |
| Fixed keys        | 8  | 8                      | 8                      | 8                      | 8                      | 8                       |
| MWI               | Yes  | Yes                    | Yes                    | Yes                    | Yes                    | Yes                     |
| PoE               | Yes (Class 2)  | Yes (Class 2)          | Yes (Class 2)          | Yes (Class 2)          | Yes (Class 2)          | Yes(Class 1) / No       |
| Speaker Phone     | Yes  | Yes                    | Yes                    | Yes                    | Yes                    | Yes                     |
| Bluetooth Option  | -  | Yes**                  | Yes**                  | -                      | -                      | -                       |
| DSS Connection    | All DSS/LSS  | All DSS/LSS            | All DSS/LSS            | All DSS/LSS            | 8040LSS                | 8040LSS                 |
| VPN (Open VPN)*   | Yes  | Yes                    | Yes                    | Yes                    | Yes                    | Yes                     |
| LLDP-MED*         | Yes  | Yes                    | Yes                    | Yes                    | Yes                    | Yes                     |
| Codec             | G.711,723,729 & 722  | G.711,723,729 & 722    | G.711,723,729 & 722    | G.711,723,729 & 722    | G.711,723,729 & 722    | G.711,729               |
| IP Address        | Static/DHCP  |                        |                        |                        |                        |                         |
| Protocol          | LG-Ericsson iPECS protocol   |                        |                        |                        |                        |                         |
| Security          | DiffServ. TLSw/AES-128. SRTPw/AES-128  |                        |                        |                        |                        |                         |
| Major Features    | Speed dialing, Redialing, Call holding, Call waiting, Call park/Call pick up, Call forwarding, Conference call, Volume up/down control, Caller ID, Distinctive ring/Multi-ring, Multi-lines, Direct mail/Messaging access, Directory/Phone book and full system features |                        |                        |                        |                        |                         |

\* Only applicable to LIP-8000E Models

\*\* Only applicable to LIP-8000 Models

## LDP-7000 / 9000 series

|                                      | LDP-7024LD                      | LDP-7024D                    | LDP-7016D                    | LDP-7008D | LDP-7004D | LDP-9008D                     | LDP-9030D                     |
|--------------------------------------|---------------------------------|------------------------------|------------------------------|-----------|-----------|-------------------------------|-------------------------------|
| LCD                                  | Graphic Large LCD (9 x 32 line) | 3 line LCD (3 x 24 line)     | 3 line                       | 2 line    | 1 line    | 2 line LCD                    | 3 line backlit LCD            |
| Flexible button                      | 24                              | 24                           | 16                           | 8         | 4         | 8                             | 30                            |
| Soft key                             | 3                               | 3                            | 3                            | -         | -         | -                             | 3                             |
| Feature button                       | 9                               | 9                            | 9                            | 7         | 5         | 7                             | 7                             |
| Navigation                           | Yes                             | Yes                          | Yes                          | -         | -         | -                             | -                             |
| Speaker                              | Yes<br>(Option: Full Duplex)    | Yes<br>(Option: Full Duplex) | Yes<br>(Option: Full Duplex) | OHD       | OHD       | Yes<br>(Built-in Full Duplex) | Yes<br>(Built-in Full Duplex) |
| DSS                                  | Yes                             | Yes                          | Yes                          | -         | -         | -                             | Yes                           |
| Call Log                             | Yes                             | Yes                          | Yes                          | -         | -         | -                             | Yes                           |
| Earphone jack                        | Yes                             | Yes                          | Yes                          | Yes       | -         | Yes                           | Yes                           |
| Bluetooth (Hands-free)               | Yes                             | Yes                          | -                            | -         | -         | -                             | Yes                           |
| USB (Call Recording)                 | Yes (Option)                    | Yes (Option)                 | -                            | -         | -         | -                             | -                             |
| Additional Device Port for SLT & FAX | Yes                             | Yes                          | Yes                          | -         | -         | -                             | -                             |
| Wall mountable                       | Yes (Option)                    | Yes (Option)                 | Yes (Option)                 | Yes       | Yes       | Yes (Built-in)                | Yes (Built-in)                |

# SPECIFICATIONS

## Wireless Terminal

| Wi-Fi: WIT-400H  | DECT: GDC-400H/GDC-450H   |
|--|---|
| SIP-based LG-Ericsson Protocol   | Standard GAP + LG-Ericsson Proprietary  |
| Fixed keys : Hold/Save, Trans/PGM, Soft menu keys                      | Multi Language terminal menu (English, Italian, Spanish, Russian)   |
| Software driven flexible keys : 10 feature keys & 12 programmable keys | Easy access via navigation and soft keys  |
| 802.11b/g compatible   | 1.5 inch full color Backlit LCD and key pad   |
| 2 inch TFT color LCD   | 9 differential ring tone per internal/external  |
| Standby 60 hrs / Talk time 3 hrs                                       | Vibration & ring LED  |
| WEP 64 bit & 128 bit password encryption                               | <b>400H:</b> Standby time 150 hrs / Talk time 15 hrs,<br><b>450H:</b> Standby time 130 hrs / Talk time 20 hrs |
| 2.5mm ear mic jack   | Cell coverage : 25-40m(in-building) and up to 250m(out field)   |
| G.711,723 & 729  |   |

## ACT-50 for iPECS

|                |                             |   |
|----------------|-----------------------------|---|
| General        | External interfaces         | Ethernet(10/100Base-TX), Analog phone/modular jack, Stereo analog in/out X 1 each (mini-jacks), AC adapter connector (DC-12V IN): for the provided AC power adapter |
|                | Power consumption           | 8W  |
|                | Radio interference standard | FCC part 15(US), EN 55022(EU)   |
|                | Operating environment       | Operating temperature: 0~40°C (32~104°F), Operating humidity: 20%~85%(no condensation)  |
|                | Size / Weight               | 284(W) X 52(H) X 298(D)mm / Approx. 1.4 Kg(excl. power adapter)   |
|                | Power supply                | 100 to 240V AC (50/60 Hz)   |
| Audio          | Arrayed microphones         | Zone audio pickup function, spot audio pickup function, microphone auto tracking function   |
|                | Arrayed speakers            | Output level:85dB   |
|                | Frequency range             | 300~700Hz(wide band)  |
|                | Signal processing           | Adaptive echo canceller, noise reduction, microphone/speaker array control  |
| Communications | Supported audio codec       | G.722, G.711, G.729   |

## IP8800 series

|                       | IP8840E /<br>IP8840  | IP8830E /<br>IP8830   | IP8820E /<br>IP8820   | IP8815E /<br>IP8815                                     | IP8802 /<br>IP8802A                              |
|-----------------------|--|---|---|---|--|
| LCD                   | 9 line<br>240x144 pixels<br>Graphical LCD<br>white backlight | 4 line<br>240x56 pixels<br>Graphical LCD<br>white backlight | 3 line<br>240x42 pixels<br>Graphical LCD<br>white backlight | 5 line<br>140x48 pixels<br>Graphical LCD                | 2 line<br>128x32 pixels<br>Graphical LCD         |
| Protocol              | SIP/MGCP**   | SIP/MGCP**  | SIP/MGCP**  | SIP/MGCP**  | SIP  |
| Flexible buttons      | 10   | 24  | 12  | 8   | 4 (w/o BLF)                                      |
| Network Interface     | 2 10/100/1000 BASE-TX*<br>(1 PoE WAN, 1 LAN)                 | 2 10/100/1000 BASE-TX*<br>(1 PoE WAN, 1 LAN)                | 2 10/100/1000 BASE-TX*<br>(1 PoE WAN, 1 LAN)                | 2 10/100 BASE-TX<br>(1 PoE WAN, 1 LAN)                  | 2 10/100 BASE-TX<br>(1 PoE WAN, 1 LAN)           |
| Voice codec           | Narrow & Wideband Audio : Full Duplex Hands-free             |   |   |   | G.711/729  |
| Optional module & DSS | Bluetooth, Wi-Fi, DSS  | Bluetooth, Wi-Fi, DSS                                       | DSS   | N/A   |  |
| Web management        | Yes  | Yes   | Yes   | Yes   | Yes  |
| Auto/Remote update    | Yes  | Yes   | Yes   | Yes   | Yes  |
| PoE (802.3af)         | Yes  | Yes   | Yes   | Yes   | Yes (8802 only)                                  |
| IOT Certifications    | Major MGCP & SIP<br>SSWs and 6 IP<br>PBXs IOT completed      | Major MGCP & SIP<br>SSWs and 6 IP<br>PBXs IOT completed     | Major MGCP & SIP<br>SSWs and 6 IP<br>PBXs IOT completed     | Major MGCP & SIP<br>SSWs and 6 IP<br>PBXs IOT completed | Major SIP SSWs<br>and 6 IP PBXs IOT<br>completed |
| VPN (Open VPN)*       | Yes  | Yes   | Yes   | Yes   | Yes  |
| LLDP-MED*             | Yes  | Yes   | Yes   | Yes   | Yes  |

\* Only applicable to IP8000E Models

\*\* IP8800E doesn't support MGP, Bluetooth, Wi-Fi

# SPECIFICATIONS

## Enterprise Business Platforms

| iPECS-LIK                |   |              |              |         |  | iPECS-MG                                  |                                    | iPECS-CM   |  |  |   |
|--------------------------|---|--------------|--------------|---------|--|---|------------------------------------|--|--|--|---|
|                          | LIK-50(50A)   | LIK-100      | LIK-300      | LIK-600 | LIK-1200   | MG-100                                    | MG-300                             | CM-S30K  | CM-S10K  | CM-S4K   | CM-S2K  |
| Processor                | Mindspeed, ARM9 Dual core, M82805G, 375MHz, H/W DSP |              |              |         | Mindspeed, ARM11 Dual core, M82152G, 450MHz, S/W DSP | Mindspeed, ARM9 Dual core, M82805G, 375Hz |                                    | Intel Xeon 2.9Ghz Dual Quad-core (Commercial Server), 4GB DDR3 RAM, 320GB SATAII Hard Drives with Raid | Intel 2Ghz Dual, 320GB SATAII Hard Drives with Raid Quad-Core (Commercial Server), 4 GB DDR3 RAM | Intel 2Ghz Dual, 320GB SATAII Hard Drives with Raid Quad-Core (Commercial Server), 4 GB DDR3 RAM | Intel 1.5Ghz, 160 GB SATAII Hard Drives (Embedded Board), 2 GB DDR3 RAM |
| BHCC                     |   |              |              |         |  |   |                                    | 400,000  | 150,000  | 80,000   | 35,000  |
| Built in VoIP Ch.        | 4(8*), Built in 4 TDM trunk, 6 2 station            | 6            | 6            | -       | -  | 12 station, 4 VoIP channel or 4 AA        | 12 station, 4 VoIP channel or 4 AA | -  | -  | -  | -   |
| Built in VM              | 6ch, 270min.  | 6ch, 210min. | 6ch, 210min. | -       | -  | -   | -                                  | -  | -  | -  | -   |
| Extension                | 50  | 70           | 300          | 600     | 1,200  | 120                                       | 294/324(IP)                        | 30,000   | 10,000   | 4,000  | 2,000   |
| Trunk                    | 42  | 42           | 200          | 400     | 600  | 80  | 240                                | 10,000   | 5,000  | 2,000  | 1,000   |
| Trunk Group              | 20  | 20           | 72           | 72      | 200  | 24  | 72                                 | 500  | 500  | 500  | 500   |
| Tenant Group             |   |              |              |         |  | 9   | 9                                  | 100  | 100  | 100  | 100   |
| Attendant                | 4   | 4            | 5            | 5       | 5  | 5   | 5                                  | 30 / Tennant   |  |  |   |
| Conference               | 32 Channels / Group                                 |              |              |         |  | 13 Channels / Group                       |                                    | 128 Channels / Group   |  |  |   |
| Slot                     | 10 Slot   |              |              |         |  | 6 Slots                                   |                                    | 1,000 Slots/System, 6 Slots/Cabinet  |  |  |   |
| Power: Input             | 110/220V, 60Hz                                      |              |              |         |  | 110/220V, 60Hz                            |                                    | PSUA: AC 230V(+/-20%), 50/60Hz(+/-3Hz)<br>PSUD: DC -48V ~ -58V   |  |  |   |
| Power: Output            | 48V   |              |              |         |  | +/- 5V, 30V                               |                                    | PSUA: -54 VDC @ 12 Amps, +5V @ 15 Amps<br>PSUD: +5V @ 15 Amps  |  |  |   |
| Redundancy               |   |              |              |         |  | Yes                                       |                                    |  |  |  |   |
| Size(mm), Rack W x H x D | 400 x 278.6 x 260.2                                 |              |              |         |  | 170.2 x 440 x 325.4                       |                                    | 19" Rack Mountable   |  |  |   |

## Small and Home Offices

|                          | ipLDK-20   | ipLDK-60   | ARIA SOHO  | Wiress SOHO              | iPECS SBG-1000   |
|--------------------------|--|--|--|--------------------------|--|
| Maximum Capacity         | Built-in Ch.   | -  | Trunk 3 ch./ Extension 8 ch.(1 Digital, 7 Hybrid)                        |                          | -  |
|                          | Rack   | 2  | 2  |                          |  |
|                          | TDM Extension  | 28   | 48   | 8 (1 Analog, 7 Wireless) | 1 FXS  |
|                          | IP Extension   | 28   | 48   | -                        | 23   |
|                          | DECT   | 16   | 16   | 7                        | 6  |
|                          | Trunk  | 16   | 12   | 3                        | 4CO  |
|                          | IP Trunk   | 16   | 36   | -                        | 6(w/o DECT in use)   |
| Network                  | 10M 1 port   | 10/100M 1 port   | -  | -                        | LAN: 10/100Base T 1 port<br>WAN: 10/100/1000Base T 1 port        |
| Power                    | AC Input: 230 +/- 10% Volt AC @47-63Hz<br>DC Output: +/- 5, + 36Volt | AC Input: 110~230 +/- 10% Volt AC @47-63Hz<br>DC Output: +/- 5, +27, +30Volt | AC Input: 230 +/- 10% Volt AC @47-63Hz<br>DC Output: +/- 5, +27, +30Volt |                          | AC Input: 110~240 +/- 10% Volt AC @50-60Hz<br>DC Output: +48Volt |
| Size(mm), Rack W x H x D | 260 x 410 x 86   | 339 x 288 x 85   | 340 x 290 x 85   |                          | 278 x 233 x 34   |

## SPECIFICATIONS

### Applications and Terminals Support Matrix

| Applications                              | Description                              | iPECS-LIK | iPECS-CM   | iPECS-MG | iPECS<br>SBG-1000 | W-SOHO | A-SOHO | ipLDK-<br>20/60 |
|---|--|-----------|------------|----------|-------------------|--------|--------|-----------------|
| iPECS ez-Attendant                        | Windows based PC Attendant               | O         | X          | O        | O                 | X      | O      | O               |
| iPECS Attendant                           | Windows based PC Attendant               | O         | O          | O        | X                 | X      | X      | X               |
| Phontage Desktop                          | IP Softclient for PC                     | O         | O          | O        | O                 | X      | X      | O               |
| Phontage Mobile Client<br>(Symbian, WinM) | IP Softclient for Smartphone             | O         | O          | O        | O                 | X      | X      | X               |
| iPECS Communicator<br>(Android)           | IP Softclient for Smartphone             | O         | O          | O        | O                 | X      | X      | X               |
| UCS                                       | UC Software                              | O         | O          | O        | X                 | X      | X      | X               |
| iPECS CC Suite*                           | Call Center Application Package          | O         | O          | O        | X                 | X      | X      | X               |
| IPCR                                      | IP Call Recording Application<br>(Linux) | O         | O*         | O        | O                 | X      | X      | X               |
| iPECS-NMS                                 | Network Management Solution              | O         | X (CM NMS) | O        | O*                | X      | X      | X               |
| iPECS-UMS                                 | Unified Messaging Solution               | O         | X          | O        | X                 | X      | X      | X               |

| Terminals | Description                           | iPECS-LIK | iPECS-CM | iPECS-MG | iPECS<br>SBG-1000 | W-SOHO | A-SOHO | ipLDK-<br>20/60 |
|-----------|---------------------------------------|-----------|----------|----------|-------------------|--------|--------|-----------------|
| LDP-7000  | Digital Keysets                       | O         | O        | O        | X                 | X      | X      | O               |
| LDP-9000  | 9030D/9008/DSS (Black)                | O         | O*       | O        | X                 | X      | X      | O*              |
| LIP-8000  | System IP phone                       | O         | O        | O        | O                 | X      | X      | O**             |
| WIT-400H  | Wireless IP Phone                     | O         | O        | O        | O                 | X      | X      | x               |
| GDC-400H  | DECT Phone - Standard                 | O         | O*       | O        | O                 | O      | X      | O               |
| GDC-450H  | DECT Phone - Ruggedized               | O         | O*       | O        | O                 | O      | X      | O               |
| GDC-600B  | DECT BaseStation - 6<br>Channels/Base | O         | X        | O        | X                 | X      | X      | O*/O            |
| ACT-50    | Conference Terminal                   | O         | O        | O        | O                 | X      | X      | X               |
| IP8800    | Standard SIP Terminal                 | O         | O        | O        | O                 | X      | X      | X               |

Note ] \* Supported from the next release

\*\* LIP-8008 / 8024 Only (Limited feature to be provided)



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