iPECS

Your Communications Solution

ERICSSON-LG

BUSINESS COMMUNICATIONS SOLUTIONS

iPECS is an Ericsson-LG Brand

ERICSSON | LG

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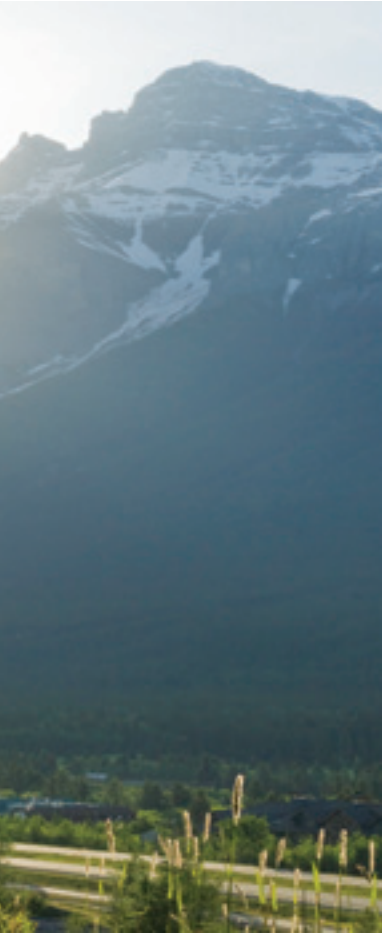


Ericsson-LG Enterprise Communications Solutions

Ericsson-LG is a joint venture between two global technology leaders Ericsson and LG-Electronics. They are committed to providing innovative technology and communication solutions that enable businesses to boost revenues, reduce costs, increase their productivity and improve their customer service.

With more than 40 years of experience, Ericsson-LG recognises and understands businesses concerns and requirements when selecting a communications solution. As a reliable business partner, Ericsson-LG offers customised solutions to small and large businesses with a product range including mobile, fixed network infrastructure, voice and data solutions.

Ericsson-LG focuses on the following core values when delivering business communication solutions;

Convergence To meet businesses needs for converged services including voice capabilities, applications suites, data networking and management tools.

Compatibility To protect your investments by providing feature enhancements and seamless migration to a converged IP (Internet Protocol) solution when a business is ready.

Efficiency Total solutions including management platforms for UC (Unified Communications), mobility and security which are designed to improve efficiency.

Future friendly Our research and development investment is focused on innovative technology that enables easy expansion in both features or system capabilities as your business needs change.

Ericsson-LG can help keep you competitive by delivering end-to-end customised communication solutions that can grow with your business.

About Us

Aria Technologies is Australia's leading distributor for one of the world's most popular and advanced communication solution manufacturers. We provide the sales, marketing, technical and logistics support for Ericsson-LG, Australia's number one selling phone system, to over 250 channel partners across Australia and the Pacific.

Our philosophy is simply to provide the 'best in class' communication solutions, service and support to all our customers.

We have built strategic partnerships with various carriers including, Australia's tier one communication providers Telstra and Optus. By bundling our cutting edge communication solutions with voice and data services, we offer uniquely tailored solutions built to meet individual customer needs.

Ericsson-LG has recognised Aria Technologies' commitment to excellence, awarding us international recognition as their 'Global distributor of the Year', numerous times. These awards reflect the constant support and improvements we continue to make, to ensure that our channel partners can ultimately provide exceptional solutions and service.

Aria Technologies has been operating since 2000 with our head office based in Melbourne, and offices in Sydney, Brisbane, Perth and Johannesburg (South Africa).

ENTERPRISE BUSINESS

iPECS Platforms

The real value of any solution to a business should be linked to their bottom line results and the benefits it can deliver to the organisation. As a business grows, the ease of communicating and collaborating becomes more important so that the workforce can continue to be efficient and productive. To remain competitive, businesses need services that seamlessly work together to facilitate a more efficient operating environment.

To meet the needs of business, Ericsson-LG has a range of solutions. These solutions offer a complete product suite including voice, data and applications for small to large businesses. iPECS solutions include highly reliable hardware and software, fully distributed IP architecture and an extensive set of easy to use features,

iPECS-LIK

Pure IP Communications for the Medium and Small Business

Features and Benefits

IP based fully distributed architecture

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

Enhancing the user experience

- Email notification and message retrieval options
- Pre-selected and customer recorded voice messages
- Various soft clients and mobility options including mobile extension, system DECT, Wi-Fi Phone, iPECS Communicator, IP Attendant etc.
- G.722 Wideband codec support
- Personal call control routing

Minimising operational costs

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

Simply unifying communications for business

iPECS-LIK is the IP communications solution designed to meet the needs of small and medium sized businesses. As a Ericsson-LG unified communications solution, iPECS-LIK brings together voice, messaging, video, mobile and desktop applications to enable businesses to increase productivity, improve their competitive advantage, and deliver a rich media experience across any work environment.

It's simple modular based IP infrastructure that helps customers, by delivering 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 communicator, IP call recording, IP contact center, softphone, mobility and built-in voicemail.

iPECS-CM

Pure IP Communications for
the Large Enterprise Business

Large enterprise unified communications solution

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

This solution includes a range of call servers and gateways, with platforms that are flexible and are able to expand from 500 up to 30,000 ports, with 400,000 busy-hour call completions (BHCC).

The 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. It integrates with stand alone iPECS-CM call servers, and can utilise iPECS-LIK and iPECS SBG-1000 as gateways for the remote sites with a local survivability option.

This system is flexible and can be scaled to meet the requirements of large organisations. It is part of the iPECS range of solutions, which are designed to adapt to all businesses, regardless of size.

Features and Benefits

Flexible network architecture

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

Investment protection and cost savings

- A range of phones supported from high-end IP phones to existing analog phones (video, IP / SIP, Wi-Fi, softphone, digital phone, analog phone, mobile phone client, etc.)
- Reduce communication costs with internal VoIP calls and reduce communication costs with easy to use centralised management

Maximising reliability and scalability

- Supports maximum of 30,000 users and 400,000 busy-hour call completions
- Unlimited scalability by networking multiple servers
- Local survivability with a range of local call servers
- Geographic redundancy for maximising service availability
- Multiple redundancy options including Call Server / LAN / control / power unit
- Specialised large enterprise features: Directory Number, Digit Conversion, Mobile Extension, Intelligent Routing

Enriching customers experience

- Use mixed trunks: digital trunk (E1 / BRI / PRI / SS7), Analog Trunk (RD, LD, CO) as well as SIP trunks
- Easy installation and LLDP, auto registration and management via web based remote/ central management
- Automatic call distribution function and report
- Support interfacing with 3rd party solutions as well as Ericsson-LG applications

SMALL AND HOME OFFICE

Smart and Efficient Solutions

Small businesses are looking for easy to set up and cost effective solutions, that will help them to operate more efficiently and be more productive. The Ericcson-LG solutions are designed to suit the needs of small businesses, and offer self managed systems to put them in control. These solutions also have many features of more advanced systems and align with future technology advancements.

iPECS SBG-1000

Smart Communications
in a Single Unit

iPECS SBG-1000 is a converged communications platform tailored for small businesses. It integrates IP telephony, data networking, wireless, security and IT needs in a single unit. iPECS SBG-1000 offers small businesses with limited budgets and resources the advanced capabilities of larger systems, so that they can be more efficient.

iPECS SBG-1000 is, a next generation smart platform with multiple communication services designed to easily integrate with carrier ISP's advanced managed services, such as high speed broadband access and value added applications while minimising the installation and maintenance requirements. This unit can help address today's communications needs, with its high-performance IP based platform, which is ready to integrate with future IP applications and technologies.

Features and Benefits

Advanced effective communications

- Ericsson-LG's advanced IP-PBX features
- Works as a survivable gateway of iPECS-LIK and iPECS-CM
- Value added applications including VM, a range of IP phones and softphone for PCs or mobile devices
- Maximum 23 IP extensions with up to 6 SIP trunks (4 SIP trunks when using DECT)
- Options for PSTN back up trunk including 2CO, 4CO, 1 BRI or 2 BRI
- 3G/4G integration for voice and data (License Required)*

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, relay for door control and one alarm circuit

Easy installation and management

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

** Supported from the next release in 2014*

ETHERNET SWITCHES

Simpler and Smarter Networking

In the constantly changing business environment, organisations are expected to grow their business with a smaller budget and less resources. The range of iPECS ethernet switch solutions have been designed to be simple to install, easier to manage, reliable and affordable. These solutions make it easier to adapt to future technology changes.

Features and Benefits

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 smart web user interface makes the installation and administration much easier.

Advanced Quality of Service (QoS)

Prioritisation 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)

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

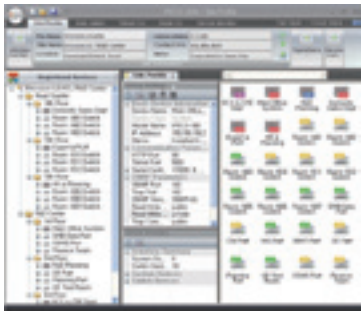
Green ethernet

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. (Gigabit models only)*

Secure networking

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

Smart management using UDM



Ericsson-LG offers a unique management tool, the iPECS Unified Device Manager (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 and inventory information
- Web administration interface
- Telnet / serial command line interface (ES-3000 only)
- Device / port info and traffic monitoring using SNMP
- Ping / traceroute test
- Windows layout control and excel report export
- Topology map display, edit and export

iPECS ES Series

iPECS ES-4500 Series L3 Managed Switches

ES-4526G
- 24 10/100/1000 BASE-T Ports
- 4 Shared SFP Ports
- 2 10G Uplink Slots
- High Availability
- IPv4 and IPv6 routing support

ES-4550G
- 48 10/100/1000BASE-T Ports
- 4 Shared SFP Ports
- 2 10G Uplink Slots
- High Availability
- IPv4 and IPv6 routing support

iPECS ES-3000 Series L2 Managed Switches

ES-3026P
- 24 10/100BASE-TX Ports
- 802.3af/at PoE for all ports (Max 185W)

ES-3024GP
- 24 10/100/1000BASE-T Ports
- 802.3af/at PoE for all ports (Max 185W)

ES-3052GP
- 48 10/100/1000BASE-T Ports
- 802.3af/at PoE + for all ports (Max 410W)

iPECS ES-2000 Series Smart Switch

ES-2026P
- 24 10/100BASE-TX Ports
- 802.3af/at PoE for ports (Max 185W)

APPLICATIONS

Empowering Business Communications and Collaboration

You can improve the way your business communicates and facilitate collaboration, by investing in applications and a reliable IP telephony platform. Ericsson-LG provides a variety of software applications and a Unified Communications Solution (UCS) designed for enterprise businesses.

The applications available such as server based unified messaging solutions, can improve users' productivity when combined with the iPECS platforms. The management applications available for network, systems and phones make it easier and more convenient to manage.

iPECS UCS Single Point of Communications, Enhancing Business Performance

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

Features and Benefits

Presence enabling improved responsiveness and enhanced productivity

- Real-time presence information displaying user status at a glance
- Selecting the best communications 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 audio and video conference

- Even easier traditional voice conferences by using virtual conference rooms, conference group calls or simple ad-hoc conferences
- Multi-party video conferencing for up to 6 users
- Simple video conferencing without complicated configuration, codec set up 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
- Flexible licensing based on the number of concurrent users
- Supporting up to 2,000 concurrent logins and 6,000 registered users per server

Business purpose UC solution

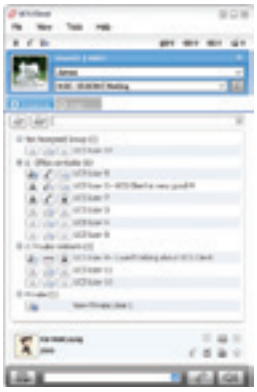
- Secure instant messaging unlike public messaging service
- Logs and details of client activity
- Remote system monitoring and feature usage statistics for efficient resource management
- Microsoft Outlook Contact and Schedule synchronisation

Simple and intuitive User Interface (UI)

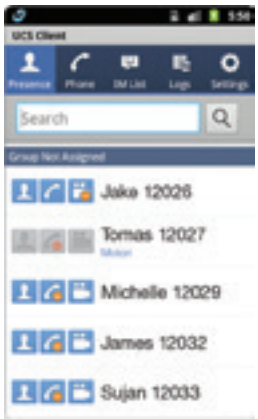
- Enriching the user communications experience via the intuitive and consistent UI
- Click to call from any selectable number on the office-ware and web site

Mobile UC enabled

- UCS mobile client for Android smart phone
- Presence of maximum 200 users for phone, IM and video status
- SMS, Leave a note, recent logs, various call features
- 1:1 video call



[iPECS UCS Client for Desktop]



[iPECS UCS Mobile Client for Android]*

Soft Clients

IP based Mobile Applications
Softphone 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 manage multiple calls, set up ad-hoc conferencing, and need to be on call. The solutions provide users with anytime, anywhere access to unified communication capabilities including voice calling, audio conferencing, corporate directories, and communications logs.

[Android]

[iOS]

iPECS Communicator

iPECS Communicator is a software application which sits on mobile smart phones running Android and iPhone operating systems. iPECS Communicator is a SIP-based softphone for users who need 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 conferencing, text messaging, call log, phone book are supported.

iPECS Phontage

iPECS Phontage is a multimedia communications tool that integrates the extensive iPECS voice capabilities with applications on your PC. The iPECS Phontage user friendly interface enriches the overall user experience and makes accessing contact databases easier.

Features and Benefits

Powerful communications tool

- All the features of an IP multi-button desk phone
- Links 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

Software Attendant Console

Operator and Information Solutions

Ericsson-LG provides a PC-based software attendant console that integrates telephony with external data and workforce information. The application helps with the management of call traffic. As the operating consoles for Ericsson-LG's communications systems, ez-Attendant and iPECS Attendant give highly efficient telephony connections for receptionists and secretaries. They allow operators to quickly connect callers by providing the appropriate presence information.

[iPECS Attendant Office Version]

[iPECS Attendant Hotel Version]

iPECS Attendant

iPECS Attendant is the IP attendant console that extends the features of ez-Attendant features with softphone function, hotel features and an improved user interface. Based on the iPECS Platforms that integrated with iPECS Attendant, the supported features vary.

Features and Benefits

Embedded softphone functions

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

Easy to use interface

- Easier and more intuitive design and display icons
- Flexible display options

Various productivity enhancement features*

- Call Recording from the application
- Video call
- Call statistics for each operator
- Recent call history display

Hospitality features

- Check in / out, wake up call, room status, room cut off, etc.
- iPECS Attendant Hotel for basic PMS functionality with iPECS-LIK
- Check-out billing service, Custom billing format
- System Information update in real-time (PMS DB sync)
- DND service, message service
- Room class (COS) setting, Room change

** Only applied to iPECS-CM / LIK*

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 call platforms and switches. iPECS NMS is a web based application enabling communication managers to access NMS via Internet Explorer from any PC. Providing services for up to 500 iPECS call servers except iPECS-CM, iPECS NMS employs standard SNMP (Simple Network Management Protocol) to identify and “trap” events should a problem occur.

Features and Benefits

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
- Network topology diagram as tree or circle format including zooming and exporting

System information management

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

Various traffic statistics

- Easily analysing 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

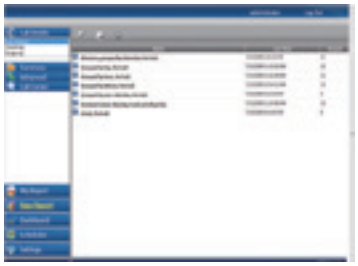
Switch information management

- Real-time CPU and memory utilisation
- Switch and port related information and configuration

iPECS CCS

Compact Contact Center Application for iPECS

Ericsson-LG offers a contact center suite designed for small and medium business. iPECS CCS (Contact Center Suite) is a multi-channel IP contact center solutions package that integrates seamlessly with iPECS platforms. iPECS CCS consists of ACD, CTI and reporting modules as part of the basic package and many optional value added function modules.



Features and Benefits

Best suite for small and medium-sized contact center

- Cost effective bundles for basic contact center with iPECS platforms
- Flexible add-on and optional modules for additional functionalities
- Easy installation and operation with intuitive and simple functions
- Built-in CRM interface for major CRM Solutions

Benefits of software solution

- Software based media processing through SIP
- No PSTN media interface card

Next generation single multimedia solution

- Email, voicemail, fax and web chat support
- Social media interface – Twitter, Facebook
- Multimedia outbound telemarketing

Web based reporting tool

- Real-time monitoring and historical reports on a range of call accounting, billing, and call analysis.
- Integrating with voice recording or CRM/database in the contact center to show comprehensive reports
- Business intelligent dashboard

iPECS IPCR

IP Call Recording

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

Features and Benefits

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 mobile workers 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 Communications Phones

The most important thing for the end user, is the handset they will use everyday. It is important that the handset and its features are easy to use to help the end user be more efficient.

Ericsson-LG offers a wide range of user friendly handsets suitable for all businesses. The IP handsets support a wide range of telephony features and applications with solutions designed to meet varying communications needs from small-to-large environments. The portfolio includes desktop IP phones, IP conference phone and voice over wireless LAN handsets.

IP Phones

There are six different IP phones that you can choose from depending on your requirements. They range from entry level to professional business terminals, designed to best fit the users' business needs. The Ericsson-LG proprietary protocol provides fully integrated system features just like a conventional feature rich PBX solution.

The phones have been designed to be simple to install and maintain. Your nominated administrators can maintain and configure features using the web administration tool, which can be accessed remotely from other locations.

LIP-9070

Premium touch screen IP phone

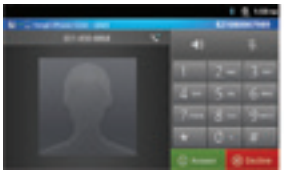
Technological innovation of IP desktop phone and the development of the Graphic User Interface (GUI) provides a new and improved end-user experience.

Ericsson-LG LIP-9070 IP phone is a premium desktop video conference phone with multi-touch user interface. You can easily access video communications with colleagues over the phone and enjoy new experiences of various media.

- 7" TFT color display with Capacitive Touch
- Android OS
- WVGA resolution
- Video communications among iPECS video clients (UCS, 8050V, Phontage)
- 1.3M pixel CMOS camera (1280 x 1024)
- Memory: Main 512MB DDR2 / 4GB Storage
- Gigabit support
- Soft flexible buttons: 48 for SIP / 30 for iPECS protocol
- Media play, picture viewer
- Built-in software application

LIP-9070 Software Menu and Application

- Home Page
- Calculator
- Clock
- Gallery
- Station SMS
- Launcher
- Setting
- Calendar
- Contact
- Music
- Call Log
- Camera



LIP-8040E

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

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

LIP-8012E

Everyday use standard IP phone

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

LIP-8002E

Entry level IP phone

- 2 Line LCD, Grey scale graphic display
- User programmable 4 feature keys
- LLDP-MED
- LIP-8002E (PoE support)

LIP-8012DSS

LIP-8048DSS

LIP-8012LSS

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

LIP-8040LSS

LIP-EHS

E-BTMU
(Bluetooth Dongle)

	LIP-8040LSS	LIP-EHS (Electronic hook Switch)	E-BTMU
DSS keys	40 w/ triple color LED	Connect wireless headset without using headset lifter	Optional Module
Underlay	LCD	Suits LIP-8012E and LIP-8024E handsets	Bluetooth v2.1 + EDR
Power supply	Via external or PoE up to 9	Supports GN Netcom/Jabra and Plantronics headsets	Support smart phone and headset

Wi-Fi Phone

WIT-400HE offers secure mobility connections to the Ericsson-LG call platforms. By using iPECS protocol, it guarantees rich features and better communications quality.

WIT-400HE

- 2” TFT Color LCD
- iPECS Protocol based system terminal
- 802.11 b/g compatible/ 802.11e for WLAN QoS
- Talk time 3hrs / Standby time 50hrs
- WEP, WPA-PSK, WPA2-CCMP
- G.722 Wideband voice codec
- PTT, SMS, Volume control
- 3-way conference, system hold, call back, linked pair and more system call features

DECT

Business DECT Solution

GDC-500H is an excellent choice for a business DECT solution.

GDC-500H

- Robust design for advanced functionality
- Feature rich 2” full color LCD
- Bluetooth headset support
- Serial port for software upgrade and direct charging
- Different ring tone (up to 9)
- Speaker phone
- Scanning 5 base stations as candidates for handover
- Standby 100hrs / Talking 10 hrs
- 2.5mm ear mic jack

GDC-600BE

- Base station for GDC-500H, GDC-450H and GDC-400H
- 6 simultaneous calls, 300m RF distance
- 3 LED Indicators

Wireless Terminal

LWS-WK

- Suitable for office, warehouse, meeting areas, retail floors
- Available on SBG-1000 and iPECS-LIK platform
- Not available on iPECS-CM
- Fully featured desktop phone
- In-house mobility
- No need for telephony cabling

Analog

Single Line Telephone

LKA series contains a set of user friendly features and secure connection to Ericsson-LG PBXs.

LKA-200

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

Conference Phone

ACT-50 (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 synchronisation 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 Ericsson-LG website for details.*

SPECIFICATIONS

LIP-9070 Touchscreen

	Description	Category
Display	LCD / Screen	7 inch WVGA 800x480 pixels TFT color graphic / 154.08mm(W)×85.92mm(H) / Touchscreen
Interface	Network	2 ports 10/100/1000 Base-T (RJ-45)
	Bluetooth	Built-in. Supports Bluetooth headsets and Smartphones
	XML	Yes
	Storage	MMC (flash) / Micro SD card - SD (up to 2 GByte) / SDHC (up to 16 GByte)
Button	Programmable	SIP 96-soft flexible / IPKTS 48-soft flexible
Photo Camera		1.3M pixel CMOS with SXGA resolution (1,280X1,024) / Camera tilting
HD Video call		QCIF, CIF, 720p
Protocol	VoIP	IPKTS / SIP(RFC3261)
	Layer	TCP/IP, DHCP, STUN, HTTPS, SNTP, RTCP, RTP, DNS, SVR, FTP, UDP, ARP
	Management	HTTP, FTP, LLDP-MED
	LDAP	Yes (SIP version only with extra application)
Codec	G.711, G.722 (Wideband codec), G.729AB, H.263 (Video), H.264 (Video)	
QoS	Dynamic jitter buffering, 802.1p/Q, Layer 3 TOS, DiffServ	
Security	Standard	TLS w/ AES-128, SRTP w/ AES-128, 802.1x/EAP-MD5, 802.1x/EAPOL, 802.1x/EAP-TLS(Certificate), HTTPS, ARIA
	VPN / NAT	Open VPN / STUN only
Power	Local / PoE	48V ~ 0.3A / 802.3af ~ Class3
	Standby / On state	3Watt / Up to 9.0Watt
Dimension	H x W x D(mm) / Weight (Net, g)	173 x 260 x 199 / 1,270

LIP-8000E series

	LIP-8040E	LIP-8024E	LIP-8012E	LIP-8002E
LCD	9 line LCD	4 line LCD	3 line LCD	2 line LCD
Backlit	Yes	Yes	Yes	-
Gigabit Support	2 x 10 / 100 / 1000 BASE-T	2 x 10 / 100 / 1000 BASE-T	2 x 10 / 100 / 1000 BASE-T	2 x 10 / 100 BASE-T
Programmable keys	10	24	12	4 (w/o BLF)
Soft key	3	3	3	-
Navigation	Yes	Yes	Yes	Yes
Fixed keys	8	8	8	8
MWI	Yes	Yes	Yes	Yes
PoE	Yes (Class 2)	Yes (Class 2)	Yes (Class 2)	Yes (Class 1)
Speaker Phone	Yes	Yes	Yes	Yes
DSS Connection	All DSS/LSS	All DSS/LSS	All DSS/LSS	8040LSS
VPN (Open VPN)	Yes	Yes	Yes	-
LLDP-MED	Yes	Yes	Yes	Yes
Codec	G.711, 729 & 722	G.711, 729 & 722	G.711, 729 & 722	G.711, 729
IP Address			Static/DHCP	
Protocol			Ericsson-LG iPECS protocol	
Security			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			

SPECIFICATIONS

Wireless Terminal

WIT-400HE
iPECS Protocol
G.711, 729 & 722
Fixed keys : Hold/Save, Trans/PGM, Soft menu keys
Software driven flexible keys : 10 feature keys &12 programmable keys
802.11b/g compatible
2 inch TFT color LCD
Standby 60 hrs / Talk time 3 hrs
WEP 64 bit & 128 bit password encryption
2.5mm ear mic jack

LWS-WK (Wireless Keyset)
DECT Desk Phone
Protocol - Standard GAP + Ericsson-LG Proprietary
Backlit 240 x 42 Graphic LCD
Navigation Button
Handsfree Speakerphone
Headset Port
Illuminated Station/Line Selection Buttons
Function Buttons
240V AC/DC Power Supply required (included)
Trans Rate - Up to 200m

		GDC-500H	GDC-450H
Protocol		Standard GAP + Ericsson-LG Proprietary	
Buttons		Easy access via 2 soft keys, 5 ways navigation	
Languages		7 languages (English, Italian, Spanish, Swedish, Russian,Turkish, German)	5 languages (English, Italian, Spanish, Swedish, Russian)
Bluetooth		Yes (V2.1, headset profile)	No
Speakerphone		Yes	No
Cable Length		600m	600m
Recommended		10 / 100 hrs.	15/150 hrs.
Talk/Stand-by time		Li-Ion Battery (1,150mAh)	Li-ion Battery (960mAh)
Trans Rate	In building	Approx. 25~40m	
	Outside	Up to 300m(at height of 2m) Up to 200m	

ACT-50

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

SPECIFICATIONS

Systems

	iPECS-LIK					iPECS-CM			
	LIK-50	LIK-100	LIK-300	LIK-600	LIK-1200	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	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 (Embeded 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, 2 station	6	6	-	-	-	-	-	-
Built in VM	6ch, 270min.	6ch, 210min.	6ch, 210min.	-	-	-	-	-	-
Extension	50	70	300	600	1,200	30,000	10,000	4,000	2,000
Trunk	42	42	200	400	600	10,000	5,000	2,000	1,000
Trunk Group	20	20	72	72	200	500	500	500	500
Tennant Group						100	100	100	100
Attendant	4	4	5	5	5	30 / Tennant			
Conference	32 Channels / Group					128 Channels / Group			
Slot	10 Slot					1,000 Slots/System, 6 Slots/Cabinet			
Power: Input	110/220V, 60Hz					PSUA: AC 230V(+/-20%), 50/60Hz(+/-3Hz) PSUD: DC -48V ~ -58V			
Power: Output	12V	48V				PSUA: -54 VDC @ 12 Amps, +5V @ 15 Amps PSUD: +5V @ 15 Amps			
Redundancy	No	Yes	Yes	Yes	Yes				
Size(mm), Rack W x H x D	400 x 278.6 x 260.2					19” Rack Mountable			

* G.729

Small and Home Offices

	iPECS SBG-1000
Maximum Capacity	1 FXS
	23 IP Extensions
	6 DECT
	4CO
	6 SIP Trunks (w/o DECT in use)
Network	LAN: 10/100Base T 1 port WAN: 10/100/1000Base T 1 port
Power	AC Input: 110~240 +/- 10% Volt AC @50-60Hz DC Output: +48Volt +/- 5, +27, +30Volt
Size(mm), Rack W x H x D	85 278 x 233 x 34

SPECIFICATIONS

Applications and Terminals Support Matrix

Applications	Description	iPECS-LIK	iPECS-CM	iPECS SBG 1000
iPECS ez-Attendant	Windows based PC Attendant	✓	×	✓
iPECS Attendant	Windows based PC Attendant	✓	✓	×
Phontage Desktop	IP Softclient for PC	✓	✓	✓
Phontage Mobile Client (Symbian, WinM)	IP Softclient for Smartphone	✓	✓	✓
iPECS Communicator (Android)	IP Softclient for Smartphone	✓	✓	✓
iPECS Communicator (iPhone)	IP Softclient for Smartphone	✓	✓	✓
iPECS UCS	UC Software	✓	✓	✓
iPECS CCS	Call Center Application Package	✓	✓	×
iPECS IPCR	IP Call Recording Application (Linux)	✓	✓	✓
iPECS NMS	Network Management Solution	✓	×(CM NMS)	✓*

** Supported from the next release (Q2, 2013)*

Applications	Description	iPECS-LIK	iPECS-CM	iPECS SBG-1000
LDP-7000	Digital Keysets	✓	✓	×
LIP-8000E	System IP Phone	✓	✓	✓
LIP-9070	System Premium IP Phone	✓	✓	✓*
WIT-400H	SIP Wi-Fi Phone	✓	✓	✓
WIT-400HE	System Wi-Fi Phone	✓	✓	✓
GDC-450H	DECT Phone - Ruggedized	✓	TBD	✓
GDC-500H	DECT Phone - Ruggedized	✓	×	✓
GDC-600BE	DECT BaseStation - 6 Channels/Base	✓	×	×
ACT-50	Conference Terminal	✓	✓	✓

** External power pack required for LIP-9070 on iPECS SBG-1000*

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