Full Featured and Cost Effective IP DECT Solution, iPECS GDC-800H

Ericsson-LG provides a new and cost effective business IP DECT solution with rich DECT features for both enterprises and small to medium-sized businesses.

Integrated SIP IP DECT solution

Business IP DECT solutions shouldn't cost too much for not only small and medium sized but also enterprise business. Ericsson-LG has developed the IP DECT solution architecture best affordable for SMB and enterprise. Ericsson-LG has integrated business SIP IP DECT solution with its industry leading IP-PBX, that is, iPECS-CM and iPECS-LIK call platforms. So users can simply choose the scale of IP DECT solution only by attaching optimally designed IP DECT components.

Flexible and scalable network architecture

Base station GDC-800Bi network and multi cell architecture can easily be scaled to required size depending on the customers environment. The IP DECT system is easy to scale up and supports from 1 to 40 bases in the same network. Further, it is able to support up to 200 registered handsets, GDC-800H. Based on a PoE interface, each base station is easy to install without additional wires other than LAN cable. The system supports the IP DECT CAT-IQ repeater GDC-800R which supports up to 5 channels enabling up to 5 simultaneous call sessions. The GDC-800H provides rich DECT features allowing the business to run seamlessly from headquarters to branch office and factory, no matter how isolated the facilities are.

Easy and effective management

The GDC-800Bi Administration Interface is also known as GDC-800Bi Configuration. It is the main interface through which the system is configured and managed. The GDC-800Bi Configuration Interface is a built-in HTTP(s) web server service residing in each base station. This interface is user-friendly and easy to navigate even to a first time user. Managers only need to access GDC-800Bi Configuration to make additions and changes to IP DECT System related handsets including network configuration, firmware updates, security, multi cell and more. Furthermore, remote management is easy and effective as the system supports SUOTA(Software Update Over The Air).

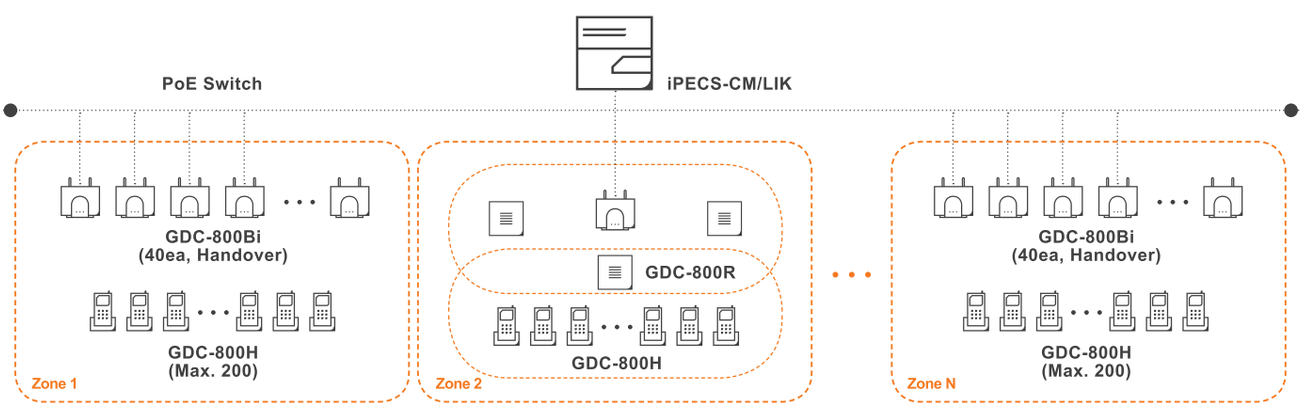
Security and Certificate

The security section is used for loading trusted certificates and selecting if only trusted certificates are used. Furthermore, web password and use of secure web server (via HTTPS) can be configured. The security web is divided into three sections: certificates importing and activation, password admin, secure web server handling. To set up secure firmware updates and configuration file download, select HTTPs for the management transfer protocol. SIP and RTP security is server dependent and in order to configure, user must use the web option servers.

3rd Party Applications

Call features

- Call features Codec Negotiation
- Codec Switching
- Missed call notification
- Voice message waiting notification
- Date and Time synchronization
- Parallel calls
- Common parallel call procedures
- Call transfer unannounced
- Call transfer announced
- Conference
- Call Waiting
- Outgoing call
- Call Toggle
- Incoming call
- Call identification
- Calling Name Identification Presentation (CNIP)
- Calling Line Identification Presentation (CLIP)
- Call Hold
- List of registered handsets



Specifications

Category	GDC-800H	GDC-800Bi	GDC-800R
Product	Handset	Base Station	Repeater
Design			
Color	Black		
LCD	2” 262K TFT type Color LCD with backlight (176 x 220 pixels)	N/A	N/A
Frequency	1.88 – 1.93 GMHz		
Radio RF power	Under 250mW		
Range (indoor/outdoor)	50m / 300m		
Antenna	Two antennas for diversity		
Codec	G.711 PCM, G.722(Allows HD sound for the handset) NOTE: Only with additional module, this is an extra option that requires a board connector mounted in Gateway. Per default not mounted.		
Protocol	SIP, HTTPs/HTTP, TLS1.0, sRTP(TBD), RTP, DHCP, Static IP, FTP/TFTP, TCP/IP, UDP, SNTP		
Interface and Channel	Headset jack(3.5mm)	· Ethernet : 10/100Base-T (PoE : 802.3af Class 2) · 8 narrowband & 4 wideband channels	5 narrowband & 2 wideband channels
Speakerphone	Duplex Speaker Phone	N/A	N/A
Button	Navigation, Emergency, Call/ Accept Call, ON/OFF, On-hook, Activity Menu, Speaker, Operational, Volume Up/Down, Mute, and 3 soft keys, etc. on GDC-800H		
Languages	Multi Language (English, Spanish, German, French, Italian, Dutch, Portuguese, Danish, Swedish, Turkish, Polish, Norwegian)		
Compatible System	iPECS-LIK / iPECS-CM		
Talk/Standby Time	16h / 180h	N/A	N/A
Battery	3.7V,1100mAh Li-ion	N/A	N/A
Ring Tone	Polyphonic	N/A	N/A
Input / Output	AC 100~240V, 50/60Hz DC 5.5V 600mA	N/A	AC 100~240V, 50/60Hz DC 5.5V 600mA
Power Consumption	1W	0.5W	0.5W
LED	Handset LED (Three color message indications), Charger LED (Handset connection) on GDC-800H		
Operating Temperature	0°C ~25°C (32°F~77°F)		
Type Approval	· EU : Radio(EN 301406), Safety(EN 60950-1), EMC(EN 301 489-6, EN 301 489-1, EN 60945) · US : Safety(CSA/UL 60950-1), EMC/Radio(FCC part15(Class B), RSS-213, ICES-003) · AS : Radio(ACA TS028), Safety(AS/NZS 60950-1)		

Dimension & Weight

Model		Height(mm)	Width(mm)	Depth(mm)	Weight(Net,g)
GDC-800H	Handset	140	45	15	135
	Charger	80	60	65	74
GDC-800Bi		210	150	60	334
GDC-800R		130	120	30	126

Major Capacity

Description	Capacity
Min # of Bases (Single cell setup)	1
Max # of Bases (Multi cell setup)	40
Max # of Repeaters (Single/Multi cell setup)	3 per Base Station
Total Max # of Repeaters (Multi-cell setup)	100
Max # of Users (SIP registrations) per Base	30
Max # of Users per Base	Limited to 200
Max # of Synchronization levels (Multi cell setup)	12
Total Max # Simultaneous Calls (Multi cell setup)	Limited to 200
Max # of Calls (Narrow band) in Repeater	5
Max # of Calls (G722) in Repeater	2
Simultaneous handsets supported (Single/Multi cell setup)	10 / 8
Call list storage capacity	25
Phonebook (Local / Central)	100/200

* **Single cell setup:**
  GDC-800Bi telephony network composed of one base station
* **Multi cell setup:**
  Telephony network that consists of more than one base station
* **Synchronization level:**
  The air core interface between two base stations

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