Full Featured and Cost Effective
IP DECT Solution

Enjoy excptional clarity and user experience, with a best-in-class IP DECT Phone. Various industries as education institutes, hospital and public administrations all can benefit from the solution, compatible both on-prem and cloud systems. 110db, single cell solution is a cost effective for small and medium size business. On the other hand, 130db, multi-cell solution is robust and full featured for SME and enterprise.

Single cell solution

110db / 100dr | 150dh / GDC-800H / 120dh

Multi-cell solution

130db / 100dr | 150dh / GDC-800H / 120dh

Cost effective mobility solution

- Single cell solution for small and medium size business (110db)
- Multi cell solution for all medium and large size enterprise (130db)
- Entry to ruggedized premium handsets for all requirements
- Compatible with iPECS On-prem and Cloud solutions

Highly scalable and flexible network architecture

- Seamlessly scalable up to 254 bases and 1K DECT handsets per zone (130db)
- Roaming between zones are supported in the multi-cell solution (130db)
- Supports both air & LAN sync for wider coverage and flexible deployment (130db)
- Supports up to 20 DECT handsets and 5 simultaneous calls (110db)
- Supports one repeater for cost effective coverage expansion (110db)

Secure and easy deployment and management

- Secure Web interface configuration
- DECT handset Software Update Over The Air (SUOTA)
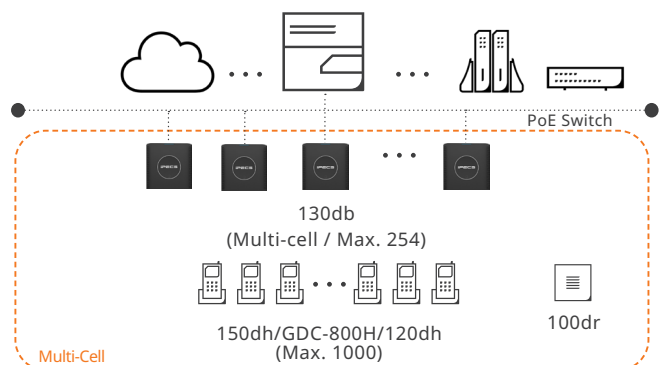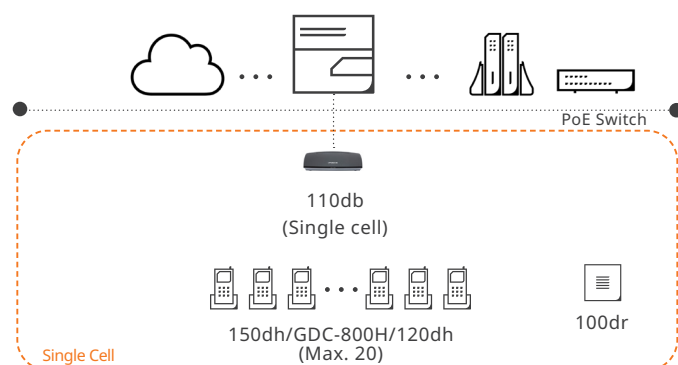- CAT-iq support

Business essential featurves with HD voice

- HD audio support (G.722)
- Wideband speakerphone
- Emergency alarm feature (150dh) - Emergency button, Man down, Pull-cord
- Multi-call operation
- One button voice mail access

Rich telephony features

- Redial
- Call log
- Caller name display
- Auto Answer
- One touch dialing
- Missed call notification
- Voicemail - New VM msg indication on LED
- Voicemail - VM access and manage
- Hold
- Multiple calls
- Call Toggle
- Call Transfer - Blind, Consultation
- Conference - Ad hoc, Room
- Call Forward - All, No Answer, Busy
- Call waiting
- Mute
- DND
- Speakerphone
- Call back
- Phonebook - Local (handset)
- Phonebook - Central (Base Station)

Compatible with iPECS Cloud / UCM / UCP / eMG100

PoE Switch

110db
(Single cell)

150dh/GDC-800H/120dh
(Max. 20)

100dr

Single Cell

PoE Switch

130db
(Multi-cell / Max. 254)

150dh/GDC-800H/120dh
(Max. 1000)

100dr

Multi-Cell

Specifications

Model	130db	110db	100dr
Product type	Base Station	Base Station	Repeater
Design			
Frequency	1.88 - 1.93 GHz		
Radio RF power	Under 250mW		
Max no. of bases	*254	Single base	-
Max no. of repeaters	3	1	-
Max no. of user registration	1000 (up to system capacity)	20	-
Simultaneous calls per base	8 / 9 (Multi / Single cell)	5	5
Sync	Air & LAN sync(IEEE1588)	-	Air sync
Max Range (in / outdoor)	50/300M	50/300M	50/300M
Antenna	Internal omni-directional antennas		
Codec	G.711 PCM, G.722(Allows HD sound for the handset)		
Protocol	SIP, HTTPs/HTTP, RTP, DHCP, Static IP, FTP/TFTP, TCP/IP, UDP, SNTP		
Compatible System	iPECS Cloud / UCM / UCP / eMG800 / eMG100		
Input power	IEEE 802.3: POE Power class 2	AC 100-240V, 50-60Hz	AC 100~240V, 50/60Hz
Output power	<250 mW (for USA < 140mW)	DC 5.5V 600mA	DC 5.5V 600mA
Power Consumption	1W	0.5W	0.5W
Operating Temperature	0°C ~ 40°C (32°F~104°F)		-10°C ~ 50°C (14°F~122°F)
Type Approval	· EU : Radio(EN 301406), Safety(EN 60950-1), EMC(EN 301 489-6, EN 301 489-1, EN 60945)		
Dimension (H*W*D)	144*140*130mm	118*177*120mm	130*32*30mm

*254 base (0 repeater), 127 base (1 repeater), 50 base (3 repeater): no. of repeaters are supported accordingly

Model	150dh	GDC-800H	120dh
Design			
HD audio support	Yes	Yes	Yes
Ambient noise reduction	Supported	N/A	Supported
TFT Color LCD	2" (176 x 220 pixels)	2" (176 x 220 pixels)	2" (176 x 220 pixels)
Call log	50	50	50
Local phonebook	250	100	100
Remote directory	Remote (LDAP) and Central directory (3000ea)*		
Bluetooth	Yes	N/A	N/A
Headset connector	Headset jack(3.5mm)	Headset jack(3.5mm)	N/A
Speakerphone	HD wideband speakerphone		
Antennas	Two antennas	Two antennas	Two antennas
Button	3 soft keys, 4 navi-keys, ok button	3 soft keys, 4 navi-keys, ok button	3 soft keys, 4 navi-keys, ok button
Man-down alert	Supported	N/A	N/A
Pull cord	Supported	N/A	N/A
Emergency button	Supported	Supported (OK button)	N/A
Languages	English, Espanol, Deutsch, Francais, Italiano, Nederlands, Portugues, Dansk, Svenska, Turkce, Polski, Norsk, Russian, Hrvatski, Srpski, Slovenian		
Compatible Base Station	130db / 110db		
Talk/Standby Time	17h / 200h	18h / 200h	22h / 350h
Battery	3.7V, v1100mAh Li-ion	3.7V, 1100mAh Li-ion	3.7V, 1100mAh Li-ion
Ring Tone	Polyphonic		
Vibrator	Yes	Yes	N/A
Operating Temperature	-10°C ~ 55°C (14°F~131°F)	-10°C ~ 50°C (14°F~122°F)	0°C ~ 55°C (32°F~131°F)
Housing	IP65	IP20	IP40
Dimension & Weight (H*W*D)	152*48*28mm, 175g	140*40*14mm, 135g	128*48*21mm, 110g

* Directory file size needs to be below 100k bytes

iPECS
Your Communications Solution