Gigaset

Gigaset CORAL IP (C430(A) IP/C430H Design 1) (C530(A) IP/C530H, Design 2)

Design 1   Design 2

USP: High quality VoIP communication solution with smart online convenience (HDSP, info services)

Interface:	a/b (analogue) + IP/Ethernet (IEEE 802.3) for VoIP
Implementation:	PSTN/PBX
Standards:	DECT, GAP, SMS via fixed line or IP (RTP) [1], DHCP (Option 60, 114, 120), SIP, RTP, STUN, POP3/POP3S
Configuration:	FXS, LAN (RJ45)
System:	Cordless telephone (IP and fixed line) for up to 6 handsets

Basic IP telephony features
o   Expandable phone system with multiline functionality for up to 6 handsets
o   Up to 6 SIP accounts from different providers
o   Assign SIP accounts individually to handsets (send &receive direction specifically)
o   Multi-Line type system (6 x VoIP + 1 PSTN) allows:
    Line selection for each call via menu selection
o   Up to 3 calls in parallel:
    o   2 internet calls or
    o   1 fixed-line call + 2 internet calls
o   Easy configuration of internet telephony (VoIP) by wizard and download of provider setting profiles (>200 providers supported)

Enhanced IP Telephony
o   Embedded SIP VoIP with codecs: G.711, G.722, G.726, G.729AB[2]
o   Gigaset.net: free of charge calls between Gigaset VoIP phones. Nickname search in Gigaset.net community.
o   Auto-fallback to PSTN, if the phone cannot establish a VoIP connection
o   VoIP supplementary services (device controlled): conference, hold/toggle, call forwarding
o   Call transfer via R key
o   Quality of service[1]: ToS, Diffserv, configurable DSCP values for SIP and RTP

IP features and services
Online directories
o   Online directory and Yellow Page search (multiple directories supported).
o   Reverse search (number -> contact).
o   Reverse lookup online (display of caller id from online directory)
o   Link to user defined online directory

Key Benefits
o   Large TFT colour display (1,8'', 128x160 pixel, 65k colors)
o   Easy to use state of the art designed User Interface
o   High quality, ergonomic keypad (metal dome technology)
o   Easy hands free talking in brilliant HDSP™ sound quality
o   Phonebook for up to 200 names and 3 numbers each
o   Easy personalization options
    o   My Ringtone (1/30=selectable 1 out of 30)
    o   My Big Clock screensaver (1/2)
    o   My Colour scheme (1/2)
    o   My Contacts (200 with 3 numbers each)
    o   My Friend's birthday (birthday reminder)
    o   My Sound profile (1/2)
    o   My Soft keys (2)
    o   My Dates (30)

Email
o   New Emails are indicated by illuminated MWI-key
o   Read Emails on handset (up to 560 characters)
o   Delete Emails via handset
o   Support of POP3/POP3S Email accounts.

Applications and Services
o   Easy access to online information via screensaver and interactive Info Center:
    o   Weather, RSS Feeds, eBay Companion, Translator, Encyclopedia, Horoscope, Biorhythm, Unit Converter,
    o   User defined services
o   Initiate calls from Info Service pages (click-to-call)

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Setup and provisioning
- o Quickstart setup software
- o Easy configuration via web server or from handset
- o Administrator friendly configuration via config file
- o Plug and Play Auto-provisioning for retail variant via
    - o MAC address
    - o Auto-configuration code

- o Plug and Play Auto-provisioning for operator/customer variant via:
    - o MAC address
    - o TR069, TR104, TR106, TR111 / part 1 (part 2 on request)

System and software
- o Firmware update directly from handset, without file handling
- o Firmware downgrade to factory delivery status / last version
- o DHCP client (Option 60, 114, 120)
- o VLAN tagging
- o HTTP Proxy support incl. 1.0 compatibility for chunked messages
- o Increased virus protection thanks to protected operating system
- o Clock synchronization using NTP (Network Time Protocol) server

Sound quality
- o HDSP™ [3] with G.722 codec for exceptional sound
- o Handsfree talking with brilliant sound quality – activated by handsfree key
- o Adjustable volume of handset sound (5 levels for handset earpiece volume and 5 levels in handsfree mode)
- o Ringer melodies with 5-tone adjustable volume settings, crescendo and on/off function via * key (long press)
- o 30 selectable ringtones (handset)
- o Separate Speaker for handsfree
- o Selectable Sound profile (2 choices)
- o Headset connection (mono) via 2,5mm jack connector (headset not included)

Convenience – phoning essentials

Range
- o Indoor range: up to 50 meters
- o Outdoor range: up to 300 meters

Operation time
- o Talk time: up to 14 hours
- o Standby time: up to 320 hours

Phonebook and dialing
- o Phone book with search function for up to 200 entries each
    - o given name
    - o family name
    - o 3 numbers (home, office, mobile)
    - o assignment as VIP with ringtone
    - o birthday
- o Dial preparation (input of phone numbers before connecting) with easy correction possibility
- o Redialing of the 20 last different numbers, start via send button
- o User-programmable speed-dial shortcuts using keys 2-9
- o Dialing: DTMF, Pulse, Flash (programmable)
- o Automatic prefix dialing or provider selection
- o Directory transfer between different handsets and between handset and PC
- o Name indication for: incoming calls, outgoing calls, missed calls list, redial list
- o Dialing plan: up to 30 dialing rules (call number, beginning of call number, IP line or PSTN, number blocking)
- o 6 VIP-groups (a specific melody and color can be assigned to each VIP-group)
- o Support of local area codes

Receiving Calls
- o Caller indication displayed via CLIP and CNIP displayed[1]
- o Display and send key lighted
- o Ringer animation in display
- o Ringtone for VIP entries selectable
- o Selectable ringer melodies
    - 30 selectable ringtones (mobile part)
    - 5 loudness levels + off + crescendo
- o Individual ringer melody for internal calls
- o Handset specific ringer tone selectable
- o No disturbance because of selectable automatic Day / Night switch of ringer volume of handset

Missed Calls
- o Comfortable access to missed calls list by dedicated, illuminated MWI-key
- o 3 separate calls lists: missed calls (30 entries) / incoming calls (30 entries) / outgoing calls (60 entries). Each saving calls with caller indication (CLIP / CNIP base station required) and time [1]
- o Direct dialing out of the missed calls list

General additional features
- o "Contacts Push" smartphone application to transfer your contacts to your DECT mobile parts.
- o Plug & Play (unpack, connect the phone and conduct a call)
- o High quality, ergonomic keypad (metal dome technology)
- o Alarm clock with snooze function (5 times) and selectable ringer melody
- o Date and time functions are protected against power failure
- o Clock synchronization using CLIP information (country specific feature) [1]
- o Birthday reminder (via phone book)
- o Modern handset design with convenient size and proportions
- o Valuable surface and colors
- o Comfortable dial and text editors
- o Alarm clock with snooze function
- o Baby-Alarm / room monitoring
- o Next generation User interface with 1,8" TFT
- o Editable internal handset name
- o Base unit and charger wall mountable
- o Support of Gigaset L410 "hands free badge"

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Display and menu features

Display

o Illuminated graphical color display (1,8" TFT-technology with 128x160 pixel, 6 lines, 65k colour)
o Easy to use designed user interface; 2 color schemes

Standby

o Selectable and settable by user: Idle mode or Screensaver
o Screensaver: digital or analogue clock; 3 pictures (e.g. use for picture on package to present colour display)

In idle

o Display of date and time
o Display of state of battery life in different colours, handset name and signal strength / ECO mode
o Display of
  o Number of new calls
  o Number of new messages on AM
  o Missed birthdays
o Soft keys for quick selection of functions

While conducting a call

o Display of call duration in talk mode

Menu

o Convenient menu for easy use in up to many languages (variable according to geographical region)
o Simple operation via colored icons and text based menu and soft keys

Keypad features

o Ergonomic and precise keypad in high quality material (metal dome technology)
o 12 numeric keys
o Function keys
  o Send/handsfree key (green LED)
  o End key (red LED)
  o Dedicated message key (red LED)
  o Keypad protection on/off via # key (long press)
  o Ringer tones on/off via * key
  o Flash key (R) (long press 0)

o 5 way Navigation key with center click for menu / ok
  o INT on left side of 5 way navigation key
  o Mute on right side of 5 way navigation key
  o Phone book at the bottom
  o Speaker level setting on Navi key up
o 2 soft keys (can be selected individually)
o Illuminated keypad including navigation area
o Keypad illumination colour: amber

Messaging functions (SMS)[1]

o Send and receive SMS messages via fixed line or IP (RTP) [1]
o Easy SMS setup including registration
o Sending/receiving of SMS with up to 612 characters [1]
o Storage of 30 SMS with 90 digits
o One common + 3 personalized SMS-Inboxes[1]
o Comfortable access to SMS-Services (info-channels)[1]
o Transmission of e-mails via SMS[1]
o Copy of phone numbers from SMS to directory
o V-Card support: name and number can be taken over to directory

ECO DECT

o Up to 60% less energy consumption[4] thanks to an energy-saving power supply
o Reduction of transmitting power to almost zero when handset is docked (with only 1 registered handset)
o ECO Mode - manual reduction of transmitting power by 80%)
o ECO Mode Plus [5] for 100% reduction of transmitting power of base station and all registered handsets
o Variable reduction of transmitting power according to distance between handset and base station (handset only)

Accessories

o Handsets C430H, C620H, E630H and DCF type HS: SL910H / S820H / SL930H
o Handsfree CLIP Gigaset L410
o Headset via 2,5mm jack connector (e.g. Gigaset accessories)
o Charging cradle (not in all countries)
o Gigaset Repeater

Features with more than one handset

o 2 internet and 1 fixed-line call in parallel (VoIP and PSTN) and additionally 1 internal call or AM access simultaneously
o Internet or fixed-line 3-party conference (1 external / 2 internal participants)
o Phonebook transfer between handsets
o Ringing of handsets for internal calls can be selected: all or only one selected handset
o Internal transfer of external calls to another handset with prior consultation call
o Collective ringing on incoming external calls

Answering machine features (C530A IP/ C430A IP only)

o Up to 3 answering machines, not simultaneously
o Digital recording of voice messages with up to ~30 minutes (combined) recording time (saved against power loss) Listening in to incoming calls possible on all handsets
o Answering machine comfortable controlled via Navi-key
o Predefined announcement (plug & play)
  3 Individual announcement and
  3 advisory announcement (170 Sec.)
  recordable by user
o Time-controlled change between announcement and advisory message
o Recording date and time are announced
o Recording time adjustable: 1 / 2 / 3 minutes, unlimited
o Call acceptance adjustable: immediately, automatic, after 10, 18, 30 Sec.
o Display of new messages at the desktop phone and handset
o New message notification via SMS to external number containing CLIP, date, time
o Remote listening of messages via
  - PIN-protected remote playback
  - SMS initiated call-back from AM
o Live recording of a telephone call

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Fixed net operator features

- o Support of provider features by use of Flash key, *key and # key
- o FNO specific key
- o Context sensitive menus for net-based operator features (conference etc.)

Technical data

Handset

- o Standby time: up to 320 hours
- o Talk time: up to 14 hours
- o Battery: 2 x AAA (NiHM), 750 mAh
- o Charging time: 6h in charger
- o Indoor range: up to 50 meters
- o Outdoor range: up to 300 meters
- o Dimensions H x W x D / weight (without batteries and belt clip)
  Handset: 156 mm x 48 mm x 27 mm / 90 g
  Belt Clip: 4 g
  Batteries AAA: 23 g

Base Station (AM) Base Station

- o Power-saving 230 V switch-mode power supply
- o Wall mountable
- o Paging key on front of base station
- o Connection of up to 6 handsets
- o Paging key on front of base
- o Dimensions (132 x 105 x 46 in mm)
- o Weight base station: 120g

External charger (for packs or as accessory only)

- o Wall mountable
- o Dimensions H x W x D / weight
  Charger: 75 mm x 71 mm x 38 mm / 39 g

Package contents

- o 1 handset
- o 1 belt clip
- o 1 handset charger
- o 2 standard AAA batteries (NiHM), 750mAh
- o 1 base station
- o 1 telephone cord
- o 1 Ethernet cable
- o 2 power supply units (base and charger)
- o 1 Quick start Guide or CD-ROM
- o 1 Quick start Leaflet (variant specific)

Other packages

- o System
- o Handset-Bundle (standard Coral)
- o AM System

Color

- o Base station: shiny black
- o Design 1 handset: Black
- o Design 2 handset: Black

Market Introduction

- o Market launch in Q2 2014 (Germany)

1) Dependent on country / network/ operator
2) Codec dynamically activated when the used network requests it (i.e. "on demand")
3) Support High Definition Sound Performance™ at VoIP base stations and behind Gateways with integrated DECT
4) Compared to conventional Gigaset base stations
5) When handset is idle or charging and when all registered handsets support ECO Mode Plus

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