

Gigaset A510 IP

Convenient VoIP telephony with HD voice



USP: Convenient VoIP telephony with HD voice

| Key Benefits for end-users: | Key Benefits for VoIP Providers: |
|---|---|
| <ul style="list-style-type: none">• Plug & play | <ul style="list-style-type: none">• Auto-provisioning for Operator/Customer variant |
| <ul style="list-style-type: none">• Stand-alone basis with attractive handset | <ul style="list-style-type: none">• Auto-provisioning for Retail variant |
| <ul style="list-style-type: none">• 1,8" display with 4 color schemes | <ul style="list-style-type: none">• Administrator friendly configuration |
| <ul style="list-style-type: none">• Multi-line: up to 3 parallel calls (2 VoIP calls + 1 PSTN call) | <ul style="list-style-type: none">• Software upgrade & software downgrade |
| <ul style="list-style-type: none">• Multi-user (up to 6 handsets & 6 VoIP accounts) | |
| <ul style="list-style-type: none">• Exceptional sound quality (HDSP)^{1), 2)} | |
| <ul style="list-style-type: none">• Email notification (date + time, sender, header) | |
| <ul style="list-style-type: none">• Search in online directories (white and yellow pages)²⁾ | |
| <ul style="list-style-type: none">• Display of online information (e.g. weather, news feeds)²⁾ in form of a live-ticker in the screensaver | |

| | |
|----------------|--|
| Interface: | a/b (analogue) + IP/Ethernet (IEEE 802.3) for VoIP |
| Operation: | <u>PSTN/PBX</u> |
| Standards: | DECT, GAP, CAT-iq 1.0, SMS via fixed line or IP (RTP) ²⁾ , 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 Dual mode: easy switch from internet to fixed line mode (VoIP and PSTN)
- o Operates behind a router/gateway providing LAN connection
- o Expandable phone system with multi-line 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.729AB⁶⁾
- o **SIP URI Dialing**
- o Gigaset.net:
 - Free of charge calls between Gigaset VoIP phones.
 - Nickname search in Gigaset.net community phonebook.
- 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 service²⁾: ToS, Diffserv, configurable DSCP values for SIP and RTP

- o Easy configuration via web interface 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

IP features and services

Online directories

- o Online directory and Yellow Page search (multiple directories supported; availability is country specific / on request)²⁾.
- o Reverse search (number -> contact)²⁾.
- o Reverse lookup online (display of caller id from online directory)²⁾
- o Link to user defined online directory

Email notification

- o New Emails are indicated by illuminated MWI-key
- o Read Email date + time, sender and header (no full body text support)
- o Delete Emails via handset
- o Support of POP3/POP3S Email accounts.

Online content / Info services

- o Display of online information via screensaver (in form of a live-ticker): Weather, RSS Feeds, Horoscope, and Biorhythm

Setup and provisioning

- o Quickstart setup software

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Sound quality

- o HDSP™¹⁾ with G.722 codec for exceptional sound quality (CAT-iq 1.0)
- o Hands free talking (convenient quality via PSTN ; exceptional sound quality via IP) – activated by (illuminated) hands free key and **with adjustable volume (5 levels)**
- o Adjustable volume of handset sound (**5 levels**)
- o Ringer melodies with 5-tone adjustable volume settings and on/off function via * key (long press)
- o **20 selectable ringer melodies tones**
- o Advisory tone (for key confirmation and low battery)
- o HDSP™ ringer melody output via hands free speaker
- o Hearing Aid Compatible (HAC)
- o Mute (via soft-key)

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 **23 hours**
- o Standby time: up to **290 hours**

Phonebook and dialing

- o Directory / phonebook for up to **150** names and numbers
- 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 Personalized setting of outgoing line (VoIP/PSTN), with long press of the off-hook key
- o **Dialing plan: up to 30 dialing rules (call number, beginning of call number, IP line or PSTN, number blocking)**
- o A specific melody and display backlight color can be assigned to each phonebook entry (VIP call)
- o Jumbo Mode: Big font for better readability
- o Dial preparation (input of phone numbers before connecting) with correction possibility
- o Redialing of the 10 last different numbers, start via send button
- o User-programmable speed-dial shortcuts using keys 2-9, 0
- o Dialing: DTMF, Pulse, Flash (programmable)
- o Support of local area codes
- o Automatic prefix dialing or provider selection
- o Time programmable recall
- o Support of local Area-Codes
- o Automatic prefix dialing or network provider
- o Netlock^{1), 2)}

Receiving Calls

- o Caller indication displayed via CLIP²⁾ and CNIP²⁾
- o Display and send key lighted
- o **Ringer animation in display**
- o Special color and ringtone for each phonebook entry
- o Selectable ringer melodies
 - 16 polyphonic (for handset only)
 - 4 standard melodies
 - 5 loudness levels + off + crescendo
- o Individual ringer melody for internal calls
- o Number specific ringer tone selectable
- o **Time controlled Ringer volume on handset (Day / Night - switch)**

Missed Calls

- o Comfortable access to missed calls list by dedicated, illuminated message-key (also known as MWI-key)
- o List showing up to **25 missed calls** saving calls with caller indication²⁾ (CLIP / CNIP - base station required) and time²⁾
- o Direct dialing out of the missed calls list
- o Missed call notification via SMS to external number²⁾

General additional features

- o Plug & Play (unpack, connect the phone and conduct a call)
- o Modern handset design and stand alone base station
- o Valuable surfaces, materials and colors
- o Comfortable dial and text editors
- o Birthday reminder
- o Alarm clock with:
 - **selectable ringer melody**
 - snooze function
- o Support of Net provider features via menu²⁾
- o Date and time functions are protected against power failure
- o Base unit wall mountable
- o Editable internal handset name
- o Wall mountable base unit
- o Internal antennas

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Display and menu features

Display

- o Illuminated graphical b/w display (1,8", 96x64 pixels, 3 lines)
- o Display illumination: 4 colors (amber, green, blue, red)

Standby

- o Display of online information, digital clock or color picture as screensaver (selectable and settable by user)

In idle

- o Display of date and time
- o Display of state of battery life in different colors, handset name and signal strength
- 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 19 languages (variable according to geographical region)
- o Simple operation via icons, text based menu and soft keys

Keypad features

- o New ergonomic keypad in high quality material (metal dome technology)
- o 12 numeric keys plus 7 function keys
- o 4-way navigation key
- o Illuminated keypad including navigation area
- o Keypad illumination: amber
- o Illuminated send/hands free -key (green) and dedicated illuminated message key (red)
- o Keypad protection on/off via # key (long press)
- o Ringer tones on/off via * key
- o Flash key (R) with long press for pause (P)

Messaging functions (SMS)²⁾

- o Send and receive SMS messages via fixed line or IP (RTP) ²⁾
- o Easy SMS setup including registration
- o Sending/receiving of SMS with up to 612 characters ²⁾
- o Storage of 30 SMS with 90 digits
- o One common + 3 personalized SMS-Inboxes²⁾
- o Comfortable access to SMS-Services (info-channels)²⁾
- o Transmission of e-mails via SMS²⁾
- 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 consumption³⁾ thanks to an energy-saving power supply and a special switching controller
- o Absolute power consumption of the base station in standby mode less than 0,4W
- 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%⁴⁾
- o ECO Mode Plus⁵⁾ 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.

Accessories

- o Gigaset Repeater
- o Up to 6 Gigaset handsets

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 Phonebook transfer between handsets (base required)
- o Ringing assigned to all or selected handsets for internal calls
- o Internal transfer of external calls to another handset with prior consultation call
- o Internet or fixed-line 3-party conference (1 external / 2 internal participants)
- o Two 3-party conferences simultaneously (1 external internet or fixed-line call/2 internal participants each + AM access)
- o Selective and collective internal call

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.)

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Technical data

Handset

- o Standby time: **up to 290 hours**
- o Talk time: **up to 23 hours**
- o Battery: 2 x AAA (NiHM)
- o Charging time: **< 7h**
- o Indoor range: up to 50 meters
- o Outdoor range: up to 300 meters
- o Handset weight: 116g (incl. batteries)
- o Dimensions H x W x D
Handset: 154mm x 50mm x 28mm

External charger

- o Charger weight: 31g
- o Dimensions H x W x D
- o Charger: 75mm x 69mm x 31mm

Base Station

- o Power-saving 230 V switch-mode power supply
- o Connection of up to 6 handsets
- o Paging key on front of base
- o Dimensions (H x W x D in mm) Base station: **132mm x 105mm x 46mm**

- o Weight base station: 120g

Package contents

- o 1 handset
- o 1 belt clip
- o 1 handset charger
- o 2 standard AAA batteries (NiHM)
- 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 (CD-ROM)
- o 1 Quick Start Leaflet

Color

- o Black

Market Introduction

- o Market launch in September/October 2011 (Italy)

- 1) Support High Definition Sound Performance™ at VoIP base stations and behind Gateways with integrated DECT
- 2) Dependent on country / network/ operator / provider
- 3) Compared to conventional Gigaset base stations
- 4) For all registered handsets – in comparison to when ECO Mode is not activated and to Gigaset conventional cordless phones
- 5) When handset is idle or charging and when all registered handsets support ECO Mode Plus
- 6) Codec dynamically activated when the used network requests it (i.e. "on demand")

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