**Gigaset N300 IP / N300A IP (UK & Ireland Variant)**

*High quality DECT-VoIP base station with smart online convenience (HDSP, info services)*

**USP:** High quality DECT-VoIP base station with smart online convenience (HDSP, info services)

<table>
<thead>
<tr>
<th>Key Benefits for end-users:</th>
<th>Key Benefits for VoIP Providers:</th>
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</thead>
<tbody>
<tr>
<td>• Plug &amp; play</td>
<td>• Auto-provisioning</td>
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<tr>
<td>• Stand-alone basis</td>
<td>• Easy setup</td>
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<tr>
<td>• Multi-line: up to 4 parallel calls (3 VoIP + 1 PSTN calls)</td>
<td>o Software upgrade / Software Downgrade</td>
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<tr>
<td>• Multi-user: up to 6 handsets &amp; 6 VoIP accounts/phone numbers</td>
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<tr>
<td>• Exceptional sound quality (HDSP)(^{1,3})</td>
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<tr>
<td>• Search in online directories (white and yellow pages)(^{2})</td>
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<tr>
<td>• Access to online information (e.g. emails, weather, eBay companion, encyclopedia, etc)(^{2,4})</td>
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Basic IP telephony features

- Expandable phone system with multiline functionality for up to 6 handsets
- Up to 6 SIP accounts from different providers
- Assign SIP accounts individually to handsets (send & receive direction specifically)
- Multi-Line type system (6 x VoIP + 1 x PSTN) allows:
  - Line selection for each call via menu selection
  - Up to 4 calls in parallel (3 internet calls + 1 landline calls)
- Easy configuration of internet telephony (VoIP) by wizard and download of provider setting profiles (>200 providers supported)

Enhanced IP Telephony

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

IP features and services

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

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

Applications and Services

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

Setup and provisioning

- Quickstart setup software
- Easy configuration via web server or from handset
- Administrator friendly configuration via config file
- Plug and Play Auto-provisioning for retail variant via:
  - MAC address
  - Auto-configuration code
- Plug and Play Auto-provisioning for operator/customer variant via:
  - MAC address
  - TR069, TR104, TR106, TR111 / part 1 (part 2 on request)

System and software

- Firmware update directly from handset, without file handling
- Firmware downgrade to factory delivery status / last version
- DHCP client (Option 60, 114, 120)
- VLAN tagging
- HTTP Proxy support incl. 1.0 compatibility for chunked messages
- Increased virus protection thanks to protected operating system
- Clock synchronization using NTP (Network Time Protocol) server
Sound quality
- HDSP™ with G.722 codec for exceptional sound (CAT-iq 1.0)

Convenience – phoning essentials

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

Operation time
- Talk time: handset dependent
- Standby time: handset dependent

Phonebook and dialing
- Directory transfer between different handsets and between handset and PC
- Name indication for: incoming calls, outgoing calls, missed calls list, redial list
- Dialing plan: up to 30 dialing rules (call number, beginning of call number, IP line or PSTN, number blocking)
- 6 VIP-groups (a specific melody and color can be assigned to each VIP-group)

Receiving Calls
- Handset dependent

Missed Calls
- Handset dependent

General additional features
- Handset dependent

Display and menu features

Display
- Handset dependent

Menu
- Handset dependent

Keypad features
- Handset dependent

Messaging functions (SMS)²
- Send and receive SMS messages via fixed line or IP (RTP)²
- Easy SMS setup including registration
- Sending/receiving of SMS with up to 612 characters²
- Storage of 30 SMS with 90 digits
- One common + 3 personalized SMS-Inboxes²
- Comfortable access to SMS-Services (info-channels)²
- Transmission of e-mails via SMS²
- Copy of phone numbers from SMS to directory
- V-Card support: name and number can be taken over to directory

ECO DECT
- Up to 60% less energy consumption³ thanks to an energy-saving power supply
- Reduction of transmitting power to almost zero when handset is docked (with only 1 registered handset)
- ECO Mode - manual reduction of transmitting power by 80%⁴
  - ECO Mode Plus⁵ for 100% reduction of transmitting power of base station and all registered handsets
- Variable reduction of transmitting power according to distance between handset and base station

Accessories
- Gigaset Home Control (GHC) - protocol for the operation of DECT modules (e.g. HC450 door intercom)
- Compatible Gigaset handsets: C59H, S79H, SL400H, and SL78H.

Features with more than one handset
- 3 internet (VoIP) and 1 fixed-line (PSTN) call in parallel and additionally 1 internal call or AM access simultaneously
- Phonebook transfer between handsets
- Ringing assigned to all or selected handsets for internal calls
- Internal transfer of external calls to another handset with prior consultation call
- Internet or fixed-line 3-party conference (1 external / 2 internal participants)
- Two 3-party conferences simultaneously (1 external internet or fixed-line call/2 internal participants each + AM access)
Answering machine features (only N300A IP)
- Up to 3 answering machines, not simultaneously
- 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 and on desktop base
- Answering machine comfortable controlled via Navi-key
- Predefined announcement (plug & play)
  3 Individual announcement and
  3 advisory announcement (170 Sec.) recordable by user
- Time-controlled change between announcement and advisory message
- Recording date and time are announced
- Recording time adjustable: 1 / 2 / 3 minutes, unlimited
- Call acceptance adjustable: immediately, automatic, after 10, 18, 30 Sec.
- Display of new messages at the desktop phone and handset
- New message notification via SMS to external number containing CLIP, date, time
- Remote listening of messages via
  - PIN-protected remote playback
  - SMS initiated call-back from AM
- Live recording of a telephone call

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

### Handset
- Handset dependent

### External charger
- Handset dependent

### Base Station
- Power-saving 230 V switch-mode power supply
- Connection of up to 6 handsets
- Paging key on front of base
- Dimensions (H x W x D in mm) of Base station: 132mm x 105mm x 46mm
- Weight of Base Station: 120g

## Package contents
- 1 base station
- 1 Ethernet cable
- 1 power supply unit (base)
- 1 Quick start Guide or CD-ROM
- 1 Quick start Leaflet

## Color of the base
- black

## Market Introduction
- Market launch in January 2011 (UK & Ireland)
1) Support High Definition Sound Performance™ at VoIP base stations and behind Gateways with integrated DECT
2) Dependent on country / network / operator
3) Compared to conventional Gigaset base stations
4) For all registered handsets – in comparison to when ECO Mode is not activated and to our 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")
7) With a Gigaset HDSP ready handset
8) Only compatible handsets such as the Gigaset C59H, S79H, SL400H, and SL78H.

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