Gigaset N610 IP PRO

The professional IP DECT base singlecell system for mobile communication in small companies

The Gigaset N610 IP PRO is the choice for cordless telephony convenience for up to 8 users. Up to 8 parallel calls guarantee a high degree of readiness in your business environment. Assign multiple lines to a handset and perform internal calls for free. Calls are secure due to SRTP and TLS. Contacts are always at hand on N610's central phonebook, or can be connected via LDAP, XML. With possibility to create own xhtml applications, users can access and control data relevant for business tasks. N610 is compatible to a large number of on-premise and cloud PBXs and easy to setup by autoprovisioning. It can be extended by up to 6 Gigaset repeaters to reach a larger DECT coverage area.

UP TO 8 HANDSETS	UP TO 8 SIMULTANIOUS CALLS	SRTP/SIPS/TLS SECURITY	LDAP(S) AND CLOUD PHONE	ZERO-TOUCH AUTO-PROVISIONING	HIGH DEFINITION SOUND	WALL MOUNTABLE	GIGASET SOFTWARE PLATFORM	MULTIPLE LINES PER HANDSET	FREE INTERNAL CALLS

Feature highlights

- Single cell system up to 8 users / SIP accounts / handsets
- Up to 8 parallel calls
- Free internal calls
- Multiple accounts/lines per handset
- Central Phonebook: 2000 entries
- LDAP(S) phonebook
- Professional zero-touch configuration via auto-provisioning
- XHTML applications by customer
- End-to-end signalling and voice encryption
- LEDs on front for status and visual power check
- Software update over the air (SUOTA)[1]

DECT technology with full security
DECT Technology is secure because its digital and encrypted. Eavesdropping on a conversation is not possible wirelessly. In the N610 IP System, SIP Security is added to the security of the network. End to end security is now ensured[2]. Security includes SRTP/SIPS/TLS, LDAP(S) and HTTPS.

Connectivity
The N610 IP DECT base station is interoperable with many platforms and network providers. All recent professional handsets from Gigaset are compatible with N610 and integrate smoothly. Connect up to 8 handsets and up to 6 DECT repeaters to increase the range of the handsets.
A full and actual list from platforms, providers and handset compatibility can be found on our wiki.

Easy setup and configuration
Administrators benefit from zero touch provisioning. The intuitive web based interface with online help, XML based configuration files, profiles and support of standard protocols make configuration extremely easy and fast.

[1] In preparation, available at a later date via software update.
[2] Features and functions depend on the PBX or provider.

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Technical data

Phonebook and dialing
- Link to an external LDAP(S) phonebooks (up to 10)
- XML directories
- XSI directories (BroadSoft)
- Central directory, hosted by N610, 2000 entries
- Search function and reverse lookup online
- Name indication for incoming calls, outgoing calls, missed call list, redial list
- DTMF (SIP Info / RFC 2833, in-band)
- Country specific call progress tones (provisionable)
- CLIP, CNIP: Name indication for incoming calls, outgoing calls, missed call list, redial list
- Name replacement from local phonebook and online directories (auto lookup)
- Calls lists: up to 50 calls (missed, received, dialled)
- SIP MWI (Message Waiting Indicator) signalling for voice mail

Software
- Easy configuration via web browser
- Administrator friendly configuration via configuration file
- User specific Auto-provisioning:
  - via MAC address
  - via XML configuration file
- Firmware upgrade / downgrade
- Backup and restore functions
- Log to external syslog servers

Hardware
- Wall- or ceiling mountable
- Antenna diversity
- 2 Status LEDs
- Reset key
- Ethernet RJ45 10/100 Mbps
- Power over Ethernet: PoE IEEE 802.3af class 1
- Two-year warranty

Special features
- Up to 8 SIP accounts
Multiline:
  - Assign several lines/accounts to a handset
  - Define send- and receive accounts for a handset
Internal telephony:
  - Assign internal number and name to a handset
  - Perform free internal calls
  - Internal consultation call
  - Transfer external call to an internal party
- MWI signaling configurable
- Failover: DNS SRV, Failover server
- Connect DECT sync/a-sync state with SIP registration (Handset off or out of range / de-register SIP)
- Auto-provisioning
- xHTML Applications
- Local 3-Way Conference

N610 IP PRO – System setup

Gigaset N610 IP PRO

PBX

LAN

POE

PC

Gigaset Repeater HX

Gigaset S650H PRO Gigaset R650H PRO Gigaset SL750H PRO Gigaset Maxwell C Gigaset SL800H PRO Gigaset R700H PRO Gigaset S700H PRO

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Service
• Syslog
• PCAP tracing
• SNMPv3
• CLI - Command Line Interface for specific service cases
• Save and Restore
• Base station remote reset by power procedure
• Firmware update from server (file based, scheduled)

Technical specifications
• DECT EN 300 175-x
• Standards: GAP / pnCAP
• DECT radio coverage up to 50 m (indoor) and 300 m (outdoor)
• Support of 120 DECT channels
• TLS1.0/1.1/1.2/1.3 for HTTPS and SIP, SIPS
• SIP (RFC3261, RFC2396, RFC2976)
• HTTP/Digest Authentication (RFC2617)
• Locating SIP Server (RFC3263)
• Call Transfer (RFC5589, RFC3515, RFC3891, RFC3892)
• MWI (RFC3265, RFC3842)
• SDP (RFC4566, RFC3264, RFC3555)
• RTP (RFC3550, RFC3551, RFC3555, RFC2833), SRTP, RTCP
• IPv4, IPv6[1], SNTP, DHCP (Option 1, 3, 6, 12, 15, 28, 42, 114, 120), DNS, TCP, UDP, VLAN (IEEE 802.1q)
• DNS SRV
• 8 simultaneous calls (G.711)
• Codecs G.711, G.722, G.729ab
• VAD/CNG (for G.729ab)
• QoS (RFC2474, RFC2475)
• Approvals: CE

Platform features
N610 supports many platforms, incl. Broadsoft, Asterisk and 3CX. Visit the wiki.gigasetpro.com, for the latest overview and status.

General Platform features[2]:
• Network AM
• Call transfer: attended, un-attended, blind
• Call waiting
• Call hold/toggle/resume
• Call reject
• CLIR
• Call forwarding: CFU, CFNR, CFB
• Distinctive Ring (Internal/External/group/door/emergency/ optional)
• Auto-provisioning
• Net directories via LDAP(S)

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Gigaset N610 components

Gigaset N610 IP PRO:
Order number S30852-H2709-R101

Power supplies
• EU: Order Nr. L36280-Z4-X706
• UK: Order Nr. L36280-Z4-X745

Dimensions and weight
Packaging
• Dimension (L x W x H), 223 mm x 163 mm x 65 mm
• Weight approx.: 380 grams
Device
• Colour of the Housing: White/Silver
• Dimensions (L x W x H), 180 mm x 110 mm x 42 mm
• Weight approx.: 220 grams

Environmental conditions
• Protection class IP20 (indoor)
• Operating temp: +5° to +45° C
• Storage temp: -20° to +70° C
• Relative Humidity: 20 % - 75 % non-condensation

Box contents
• Main device
• Security leaflet
• Power supply
• Screws

Compatible DECT end devices from the professional series

S700H PRO

• Large illuminated 2.4" TFT colour display
• Intuitive user interface for easy operation
• Headset operation via Bluetooth® 4.2 or 3.5mm jack
• Separately programmable alarm button
• Quickly select audio profiles using a separate key
• Scratch and disinfectant resistant
• Up to 12h talk time, up to 300h standby time

R700H PRO

• Shockproof, dustproof and waterproof according to IP65
• Non-slip rubberised surface
• Large illuminated 2.4" TFT colour display
• Headset operation via Bluetooth 4.2 or 3.5mm jack
• Spot LED as torch and for call signalling
• Disinfectant resistant and scratch proof surface
• Up to 13h talk time, up to 320h standby time

SL800H PRO

• Slim design
• Large illuminated 2.4" TFT colour display
• Headset operation via Bluetooth® 4.2 or 3.5mm jack
• Up to 15h talk time and 300h standby time
• Quickly select audio profiles using a separate key
• Scratch and disinfectant resistant
• Vibrating alarm

It's your best choice.

Discover more! Contact your Gigaset sales representative, visit **gigaset.com/pro** or the wiki at **wiki.gigasetpro.com**

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