

Gigaset N610 IP PRO

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

Highlights:

- Single cell system for up to 20 handsets / SIP accounts
- 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
- LED status indicator on the front
- Software update over the air (SUOTA)



The Gigaset N610 IP PRO is the choice for cordless telephony convenience for up to 20 users. Up to 8 parallel calls guarantee a high degree of readiness in your business environment. 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. N610 is compatible to a large number of on-premise and cloud PBXs and easy to setup by auto-provisioning. It can be extended by up to 6 Gigaset repeaters to reach a larger DECT coverage area.

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 ensured. Security includes SRTP/SIPS/TLS, LDAP(S) and HTTPS.

Connectivity

The N610 IP PRO 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 20 handsets and up to 6 DECT repeaters to increase the range of the handsets.

A full and actual list of platforms, providers and handset compatibility can be found on our wiki.gigaset.com.

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.

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Technical specifications

Keyboard	Functions	<ul style="list-style-type: none"> • Handset registration • Paging to find handsets and display the IP address on the handset display • Reset
	Base station button	<ul style="list-style-type: none"> • Illuminated button with status indication (two LEDs)
Audio	Codecs	<ul style="list-style-type: none"> • G.711 • G.722 • G.729ab • VAD/CNG (for G.729ab)
Phonebook	Central contacts	<ul style="list-style-type: none"> • Address book for up to 2000 entries • Search function and reverse lookup online • Name replacement from local phonebook and online directories (auto lookup) • Contacts import
	Online directories	<ul style="list-style-type: none"> • Net directories via LDAP(S) • Link to external LDAP(S) phonebooks (up to 10) • XML directories • XSI directories (BroadSoft)
	Call lists	<ul style="list-style-type: none"> • Call lists for up to 50 entries • Phone numbers can be saved from the call list • Call lists with phone number (CLIP/CNIP) and date/time for all calls and for outgoing, received or missed calls
Telephony	Telephony devices	<ul style="list-style-type: none"> • Add and manage up to 20 DECT devices • Handset details: name (editable), internal number assignment and replace handset
	Repeater	<ul style="list-style-type: none"> • Extend DECT coverage area with up to 6 repeaters
	Functions	<ul style="list-style-type: none"> • Display of the individual name of each telephone device (editable) • Message display (MWI) adjustable • Signaling of voicemail via SIP-MWI (Message Waiting Indicator) • Number assignment per connection for outgoing and incoming calls • Internal phone numbers adjustable • Country-specific ring tones (provisionable)
	VoIP	<ul style="list-style-type: none"> • Up to 20 SIP accounts • Assign SIP accounts individually to handsets (especially sending and receiving direction) • Connect DECT sync/a-sync state with SIP registration (Handset off or out of range / de-register SIP) • DTMF (SIP Info / RFC 2833, Inband) • SIP (RFC3261, RFC2396, RFC2976)
	DECT	<ul style="list-style-type: none"> • 8 concurrent calls
Signalling & display indications	CLIP	<ul style="list-style-type: none"> • CLIP, CNIP: Name indication for incoming calls, outgoing calls, missed call list, redial list
Power supply	Power over Ethernet	<ul style="list-style-type: none"> • PoE IEEE 802.3af, class 1
Connectivity	Frequency	<ul style="list-style-type: none"> • 1880-1900 MHz (Europe)

		<ul style="list-style-type: none"> • 1910-1930 MHz (Latin America) • 1910-1920 MHz (Brazil) • 1880 MHz-1895 MHz (South-East-Asia/Taiwan)
	LAN connection	<ul style="list-style-type: none"> • Ethernet RJ45 10/100 Mbps
	Repeater	<ul style="list-style-type: none"> • Extension of the range possible with Gigaset Repeater HX

Compatibility	Standards	<ul style="list-style-type: none"> • DECT EN 300 175-x • Standards: GAP / pnCAP
	Gigaset handsets	<ul style="list-style-type: none"> • S700H PRO, R700H PRO, R700H protect PRO, SL800H PRO, SL850H PRO • For more information: wiki.gigaset.com

Functions	Desk operation	<ul style="list-style-type: none"> • Yes
	Wall mountable	<ul style="list-style-type: none"> • Yes

Regulations / Specifications	Approvals	<ul style="list-style-type: none"> • Approvals: CE
	Protection class	<ul style="list-style-type: none"> • Protection class IP20 (indoor)

Dial functions	Functions	<ul style="list-style-type: none"> • Call forwarding: CFU, CFNR, CFB • Call forwarding (RFC5589) • Transfer call: with enquiry, without enquiry, blindly • Hold/Make/Resume Call • Reject call • Call waiting • CLIR • Distinctive Ring (internal / external / group / door / emergency / optional) • Time controlled redirection • Call waiting can be activated/deactivated per telephone device • Display for number of missed calls/new voice messages can be activated/deactivated • Name display for incoming calls, outgoing calls, missed calls and the redial list
	Dialing functions	<ul style="list-style-type: none"> • Call forwarding • Calls for a registered phone can be diverted • Call forwarding can be activated/deactivated (always, on busy and on no answer) • Call forwarding rules (can be activated/deactivated, manual or time controlled) can be shown on the telephone display (adjustable)
	Area code	<ul style="list-style-type: none"> • Area code and prefix numbers editable • Dialing codes can be added to outgoing numbers (can be activated/deactivated) • Area code (country code and area code) • Country codes are selectable by presets
	Dialing rules	<ul style="list-style-type: none"> • Manage and configure dialing rules • Dialing rules searchable (instant search) by phone number and comment • Enter phone number and comment • Prefixes can be used • Dialing rules can be activated/deactivated
	Simultaneous calls	<ul style="list-style-type: none"> • 8 simultaneous external calls
	Conference calls	<ul style="list-style-type: none"> • Conference calls with 3 participants
	Dialing procedure	<ul style="list-style-type: none"> • Multi-frequency dialing (DTMF)
	Redial	<ul style="list-style-type: none"> • Direct dialing from the call list possible

Menu	Operation	<ul style="list-style-type: none"> • Simple configuration via web browser • Intuitive menu navigation for easy operation • Convenient menu navigation in different languages (ENG, FRA)
Range	DECT	<ul style="list-style-type: none"> • Outdoors: up to 300 m; indoors: up to 50 m • Antenna diversity • Support for 120 DECT channels
	Range increase	<ul style="list-style-type: none"> • Increased range with Gigaset Repeater HX
Operation of several handsets	Number of handsets	<ul style="list-style-type: none"> • Up to 20 Gigaset DECT handsets can be registered • Defining send and receive accounts for a handset • For more information: wiki.gigaset.com
	Internal telephone calls	<ul style="list-style-type: none"> • Toll-free internal calls • Assign internal number and name to a handset: <ul style="list-style-type: none"> ○ Perform free internal calls ○ Internal consultation call ○ Transfer external call to an internal party
Configuration via web browser	Web configurator	<ul style="list-style-type: none"> • Administrator friendly configuration via configuration file • User-specific auto-provisioning: <ul style="list-style-type: none"> ○ Via MAC address ○ Via XML configuration file • Firmware upgrade/downgrade • Backup and restore functions • Log to external syslog servers
	LAN	<ul style="list-style-type: none"> • Ethernet RJ45 1000 Mbps • 10/100/1000 Base-T Auto MDI/MDIX Ethernet LAN Port (802.3/u/ab) • IPv4 address type: static and automatic • Subnet mask supported • Standard gateway • Preferred DNS server is supported • Supports alternative DNS servers
	Network	<ul style="list-style-type: none"> • SNTP • DNS SRV-RR (RFC2782) • Failover: DNS SRV, Failover Server • VLAN (IEEE 802.1q), VLAN identifier (LAN), VLAN priority (LAN) • Operation on routers with automatic assignment of the IO address (DHCP) • DHCP (Option: 60, 114, 120) • DHCPv4 (RFC2131) • SIP (RFC3261, RFC2543, RFC2396) • RTP (RFC3551, RFC3555, RFC2833) • SRTP • HTTP • HTTPS • xHTML applications (user specific)
	Network standard	<ul style="list-style-type: none"> • Internet protocol: IPv4 (RFC0791) • TCP, UDP
	Security	<ul style="list-style-type: none"> • TLS 1.0/1.1/1.2/1.3 for HTTPS and SIP, SIPS • SIP (RFC3261, RFC2396, RFC2976) • HTTP/Digest Authentication (RFC2617)

Network specifications		<ul style="list-style-type: none"> • 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 • Accept/activate/deactivate all certificates • Display of certificate name and type • Edit certificates: Show details, remove • Import certificates • Client certificate support (certificate and private key uploadable) • HTTP authentication (HTTP digest username, HTTP digest password) • HTTPS (Server/Client) • HTTPS web access to the device manager
	Quality of Service	<ul style="list-style-type: none"> • Class of Service (CoS) • Bandwidth management for prioritizing services • QoS (RFC2474, RFC2475) • SIP ToS, Diffserv • RTP ToS, Diffserv • DSCP • Differentiated Services Code Point (DSCP) support • IEEE 802.1q • IEEE 802.1p port-based priority on LAN port, application-based priority on WAN port • IEEE 802.1Q VLAN tagging
	Provisioning	<ul style="list-style-type: none"> • Auto-Provisioning via HTTP/HTTPS • User-specific auto-provisioning via MAC address and XML configuration file • Backup and restore functions • Firmware upgrade/downgrade • Data server (URL) editable • Provisioning process can be started manually
	Maintenance and service	<ul style="list-style-type: none"> • Firmware update from server (file based, planned) • Save and restore • Syslog • SNMPv3 • CLI - Command Line Interface for specific service cases • Base station remote reset by power procedure • PCAP tracing
Energy efficiency	Power consumption	<ul style="list-style-type: none"> • Power consumption 2,1W: As networked equipment with high network availability, this HiNA-Device is fulfilling the (EU) 2023/826 ecodesign requirement for energy consumption <7W • The intended use is VoIP telephony, emergency calls as well as xhtml online services. To fulfill this functionality without delay, the device does not offer power management or standby modes. This could result in increased power consumption
Dimensions & weights	Base station	<ul style="list-style-type: none"> • Base station: 180 x 110 x 42 mm (L x W x H) • Weight (approximately): 380 g

Ordering information	Color	<ul style="list-style-type: none"> • White/Silver
Environmental conditions	Operating temperature	<ul style="list-style-type: none"> • 5°C to 45°C
	Storage temperature	<ul style="list-style-type: none"> • -20°C to 70°C
	Relative humidity	<ul style="list-style-type: none"> • 20% to 75% (non-condensing)
Scope of delivery	1x	<ul style="list-style-type: none"> • Base station
	1x	<ul style="list-style-type: none"> • Power supply
	1x	<ul style="list-style-type: none"> • Security leaflet
	1x	<ul style="list-style-type: none"> • Screws

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Version