

Gigaset N530 IP PRO

The DECT IP base for mobile communication in small businesses

Highlights:

- Single cell system up to 8 handsets / SIP accounts
- Up to 8 parallel calls
- Free internal calls
- Multiple accounts/lines per handset
- Central Phonebook: 500 entries
- Professional zero-touch configuration via auto-provisioning
- End-to-end signaling and voice encryption
- Software update over the air (SUOTA)
- Status LED and key for handset registration, paging, reset
- Power over Ethernet (PoE)



The N530 IP PRO is the DECT IP base station for small businesses that supports all available Gigaset professional DECT handsets. Users benefit from flexible communication with exceptional sound quality. The N530 IP PRO is compatible with common VoIP providers and PBX systems. Zero-touch installation ensures quick and easy configuration.

DECT technology with full security

DECT technology is secure because its digital and encrypted. Eavesdropping on a conversation is not possible wirelessly. In the N530 IP System, SIP Security is added to the security of the network. End to end security is now ensured. Security includes SRTP/SIPS/TLS, LDAP(S) and HTTPS.

Connectivity

Proven and optimized SIP technology guarantees high compatibility. The N530 IP PRO DECT base station is interoperable with many platforms and network providers. A full and actual list of platforms, providers and handset compatibility can be found on our wiki.gigaset.com.

Flexible deployment

All recent professional handsets from Gigaset are compatible with N530 and integrate smoothly. Connect up to 8 handsets and increase the DECT range with up to 6 repeaters.

Easy setup and configuration

The administrators benefit from zero touch provisioning. The intuitive web based interface with online help, XML based configuration files and support of standard protocols makes 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
Audio	Codecs	<ul style="list-style-type: none"> • G.711 a-law • G.711 μ-law • G.722 • G.729a
Phonebook	Central contacts	<ul style="list-style-type: none"> • Address book for up to 500 entries • 3 telephone numbers per entry (DECT handset) • An entry contains name and first name • Phone number can be categorized by office, mobile and home • Phone number editable: edit, save and delete • Phone list editable: copy, save and delete • Phone list searchable (instant search) by phone numbers and names • Contacts import
	Online directories	<ul style="list-style-type: none"> • XML directories • XSL 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 8 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 • Number assignment per connection for outgoing and incoming calls • Internal phone numbers adjustable
	VoIP	<ul style="list-style-type: none"> • Up to 8 SIP accounts • Assign SIP accounts individually to handsets (especially sending and receiving direction) • SIP (RFC3261, RFC2396, RFC2976) • DTMF (SIP Info / RFC 2833, in-band)
	DECT	<ul style="list-style-type: none"> • 8 concurrent calls
Signalling & display indications	CLIP	<ul style="list-style-type: none"> • CLIP, CNIP: Name display for incoming calls, outgoing calls, missed calls and the dialled number
Power supply	Power over Ethernet	<ul style="list-style-type: none"> • PoE IEEE 802.3af class 1
	Power supply	<ul style="list-style-type: none"> • Input 100-240V AC, 50-60Hz, 160mA / Output 5V DC, 1.0A, 5,0W • Model C808 (EU)

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		<ul style="list-style-type: none"> • Model C809 (UK)
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Connectivity	Frequency	<ul style="list-style-type: none"> • 1880–1900 MHz (Europe), • 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 / Supplier Specific Common Access Profile for Cordless and Wireless • Support of 120 DECT channels
	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

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 • Call waiting, forwarding, hold, swap, conference (with consultation and ad hoc), call forwarding (with consultation and blind) • 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
	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"> • DTMF (SIP Info/RFC4733, In-Band)

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	Redial	<ul style="list-style-type: none"> • Multi-frequency dialing (DTMF) • 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, ESP, ITA, GER, POL, RUS, CZE, GRC, PRT, NLD and TUR)
Range	DECT	<ul style="list-style-type: none"> • Outdoors: up to 300m; indoors: up to 50m
	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 8 Gigaset DECT handsets can be registered
	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
Network specifications	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) • VLAN (IEEE 802.1q), VLAN identifier (LAN), VLAN priority (LAN) • 802.1x, Link Layer Discovery Protocol (LLDP) • Operation on routers with automatic assignment of the IP address (DHCP) • DHCP (Option: 60, 114, 120) • DHCPv4 (RFC2131) • SIP (RFC3261, RFC2543, RFC2396) • SDP (Session Description Protocol, RFC4566, RFC3264, RFC3555) • RTP (RFC3551, RFC3555, RFC2833) • SRTP • HTTP • HTTPS
	Network standard	<ul style="list-style-type: none"> • Internet protocol: IPv4 (RFC0791) • DNS SRV (Domain Name System) • TCP, UDP
	Security	<ul style="list-style-type: none"> • TLS 1.1/1.2/1.3 for HTTPS and SIP, SIP over TLS • SRTP (RFC3711), TLS (RFC5246), SIP over TLS

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		<ul style="list-style-type: none"> 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 updates via the web configurator Save and Restore Syslog Event logging: local and syslog PCAP tracing

Energy efficiency	Power consumption	<ul style="list-style-type: none"> Power consumption 1,9W: 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 xhttp 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
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Dimensions & weights	Base station	<ul style="list-style-type: none"> Base station: 105 x 132 x 46 mm (H x W x D) Weight (approximately): 146 g
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Ordering information	Color	<ul style="list-style-type: none"> White
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Scope of delivery	1x	<ul style="list-style-type: none"> Base station
	1x	<ul style="list-style-type: none"> LAN cable
	1x	<ul style="list-style-type: none"> Security leaflet
	1x	<ul style="list-style-type: none"> Quick Start Guide
	1x	<ul style="list-style-type: none"> Power supply

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