

# Gigaset

## Gigaset N670 IP PRO

The professional IP DECT base station for high demands in your business

The Gigaset N670 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. Contacts are always at hand on N670'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. N670 is compatible to a large number of on-premise and cloud PBXs and easy to setup by autoprovisioning. N670 can grow with your business: By license it can be upgraded to multicell and extended by further base stations to reach a larger DECT coverage area. The Gigaset N870 Integrator software offers central management of N670 in different locations.



UP TO 250 HANDSETS

UP TO 8 SIMULTANEOUS CALLS

UPGRADE TO MULTICELL

REDUNDANCY, SRTP/SIPS/TLS SECURITY

LDAP(S) AND CLOUD PHONE BOOKS

ZERO-TOUCH AUTO-PROVISIONING

REMOTE MANAGEMENT

HD VOICE

WALL MOUNTABLE

GIGASET SOFTWARE PLATFORM

### Feature highlights:

- Single cell system up to 20 users / SIP accounts / handsets (via License upgrade to N670 multi-cell with up to 250 users)
- Up to 8 parallel calls
- Central management of up to 300 N670 in different locations by N870 Integrator software
- LDAP(S) phonebook
- Professional zero-touch configuration via auto-provisioning
- IPUI, fixed numbering or via placeholder
- uaCSTA support for CTI-integration
- 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)<sup>1</sup>

### DECT technology with full security

DECT Technology is secure because its digital and encrypted. Eavesdropping on a conversation is not possible wirelessly. In the N670IP System, SIP Security is added to the security of the network. End to end security is now ensured<sup>1</sup>. Security includes SRTP/SIPS/TLS, LDAP(S) and HTTPS.

### Scalable and future-proof

The N670 DECT Multicell System is an expandable solution for any organisation. Start small and expand later when your business is requesting more users. Upgrade to multicell by license and support up to 60 base stations and 250 users. Combine different floors, buildings to one large communication network.

### Connectivity

The N670 IP DECT base station is interoperable with many platforms and network providers. All recent professional handsets from Gigaset are compatible with N670 and integrate smoothly. 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.



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## Technical data

### Phonebook and dialling

- Link to an external LDAP(S) phonebooks (up to 10)
- XML directories
- XSI directories (BroadSoft)
- Central directory, hosted by N670
- 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)
- XSI Call logs (Broadsoft)
- SIP MWI (Message Waiting Indicator) signalling for voice mail

### Software

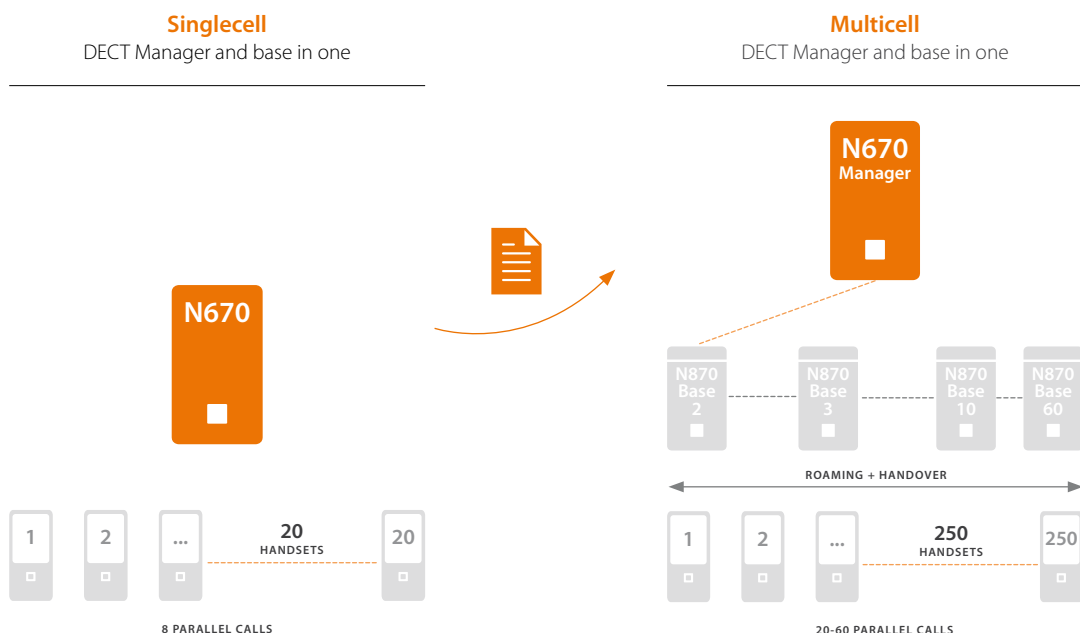
- Easy configuration via web browser
- Administrator friendly configuration via configuration file
- User specific Auto-provisioning:
  - via MAC address
  - via XML configuration file

- 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
- Colour: polar white SF9063
- Dimension: 180 mm (H) x 110 mm (W) x 42 mm (D)
- Two-year warranty
- up to 20 accounts (1 for each user)
- MWI signalling configurable
- Failover: DNS SRV, Failover server
- Connect DECT sync/a-sync state with SIP registration (Handset off or out of range / de-register SIP)
- IPUI Provisioning
- xHTML Applications
- uaCSTA
- local 3-Way Conference

## Upgrade the singlecell to a multicell



## 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, automatically updating all base stations
- Visualization Tool

## Gigaset N870 Integrator software

- Central management of up to 300 N670 in different locations

## 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 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<sup>1</sup>, 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

N670 supports many platforms, incl. Broadsoft, Asterisk and 3CX. Visit the [wiki.gigasetpro.com](http://wiki.gigasetpro.com), for the latest overview and status.

General Platform features include:

- Network AM
- Call transfer: attended, un-attended, semi-tended, 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)
- Group Pick-up

## Dimensions and weight

### Packaging

- Dimension (l x w x h), 223 x 163 x 65 mm
- Weight approx.: 380 grams

### Device

- Colour of the Housing: White
- Dimensions (l x w x h), 180 mm (H) x 110 mm (W) x 42 mm (D)
- 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
- Screws

# Gigaset

## Gigaset N670 components

### Gigaset N670 IP PRO:

Order number S30852-H2714-R101

N670 upgrade to multi cell license: S30852-H2714-X1

### Gigaset N870 Virtual Integrator software

N870 Virtual Integrator SW license: S30852-H2716-X1

N670 DECT Manager license: S30852-H2714-X2

### Power supplies

Optional, if no PoE/PoE injector available

- EU: Order Nr. L36280-Z4-X706
- UK: Order Nr. L36280-Z4-X745

## Compatible DECT end devices from the Professional Series



### S650H

- Comfort-edition
- Bluetooth
- HD Audio and HD Voice
- Handsfree
- Auto-provisioning via IPUI
- Talktime 12h, standby 300h
- Resistant to scratches / disinfectants



### R650H

- Active-edition
- IP65; shock, dust and water jets resistant
- Large TFT display
- Rubber surface
- Auto-provisioning via IPUI
- Talktime 14h, standby 320h



### SL750H

- Micro-edition
- Large TFT 2.4" Display
- Bluetooth
- Resistant to scratches / disinfectants
- Auto-provisioning via IPUI
- Talktime 12h, standby 250h



### Maxwell C

- DECT, as a handset
- Large TFT 2.8" Display
- 8 direct dial keys
- Bluetooth and wired headset connection
- Auto-provisioning via IPUI
- Power supply

## It's your best choice.

Gigaset's new professional line provides businesses with tailor-made, communication-enhancing phone systems. Discover more! Contact your Gigaset representative, visit [gigasetpro.com](http://gigasetpro.com) or the wiki at [wiki.gigasetpro.com](http://wiki.gigasetpro.com)

<sup>1</sup> Dependent on PBX or provider.