

# Gigaset pro

## N720 IP PRO and N720 DM PRO

The DECT IP multicell system for seamless mobile communication in SMB.

The Gigaset N720 DECT IP Multicell System consists of two elements – the N720 IP PRO, a base station, and the N720 DM PRO, the DECT Manager. 1 to 30 base stations and 100 handsets can be connected to the DECT Manager and enable true wireless mobility in on-site communication with seamless handover and roaming. Productivity is leveraged by corporate and online directory access and email notification. Gigaset pro handsets are optimised for usage with the N720 DECT IP Multicell System. Thus, users benefit from mobility in communication with wideband sound quality. The N720 system seamlessly integrates in the corporate IP network as a backbone. Connection to the IP PBXs of the Gigaset pro range, provides zero touch provisioning and best interoperability. The N720 SPK PRO (Site Planning Kit) is recommended for planning of large deployments.



### Feature highlights:

- 1 to 100 users / SIP accounts / handsets
- 30 base stations
- Up to 30 parallel calls
- 8 simultaneous calls per base (4 in G.722 HDSP™ mode)
- Seamless handover and roaming
- Exceptional HD sound with HDSP™ 1,2
- Local network directory and public online directories (white and yellow pages) 1
- Email reader
- Professional zero-touch auto-provisioning setup
- Power over Ethernet

#### DECT technology.

Interference-free DECT technology provides benefits in terms of range, standby time and speech quality.

#### Scalable and future-proof.

The N720 DECT IP Multicell System is expandable to up to 100 handsets and 30 base stations. Gigaset pro handsets are optimised for business requirements. Interoperability is guaranteed for future Gigaset handset generations.

#### Connectivity.

The N720 DECT IP Multicell System is perfect to use with Gigaset PRO IP PBX. The DECT Multicell System is also compatible to other IP PBX and can be linked to IP Centrex providers.

#### Easy setup and configuration.

Administrators benefit from zero touch provisioning with Gigaset PBX. The intuitive web based interface, XML based configuration files, provider profiles and support of standard protocols make configuration extremely easy and fast.

#### Business productivity.

With direct access to corporate and public online directories, managing contacts is easy – even while on the move.

#### Restoring the DECT manager settings

All DECT manager settings, including the logons of mobile units, can from now on be saved and restored on a new DECT manager. Particularly in stations with many mobile units this innovation will be very beneficial. After all, when configuring the new DECT manager, the administrator does not have to register all mobile units all over again.

#### Visualization map for base stations in the web configurator

The installer is able to use new diagnostic functions. He is able to look into the station via the status page of the web configurator. Firstly, the visualization tool will graphically show whether the synchronization chain has been installed. Secondly, it will show whether each base station is receiving the signals of the neighbouring station with sufficient strength or whether certain connections are weak or interrupted.

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# N720 IP PRO and N720 DM PRO

## The DECT IP multicell system for seamless mobile communication in SMB.

### Technical data:

#### Phonebook and dialling

- Link to external phonebooks (PBX, Soft PBX, external server in LAN or Web) via LDAP or XML interface (e.g. Klicktel Online directory)
- Search and reverse search function (number -> contact) and reverse lookup online (display of caller id from online directory)<sup>1</sup>
- Private network address book (user specific): search, edit, delete entries
- Vcard support
- Name indication for incoming calls, outgoing calls, missed call list, redial list
- Barring of calls (black list)
- DTMF (SIP Info / RFC 2833, inband)
- Multinational 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)
- List of up to 50 calls (missed, received, dialled)
- SIP MWI (Message Waiting Indicator) signalling for voice mail

#### Special features

- Computer Telephony Integration (CTI) via standard SIP procedure
- Broadsoft: Click to dial, Click to answer
- Email reader (POP3, POP3S)
  - up to 560 characters
  - up to 100 accounts (1 for each user)
- Interactive Info Center (also customer specific)
- MWI signalling configurable

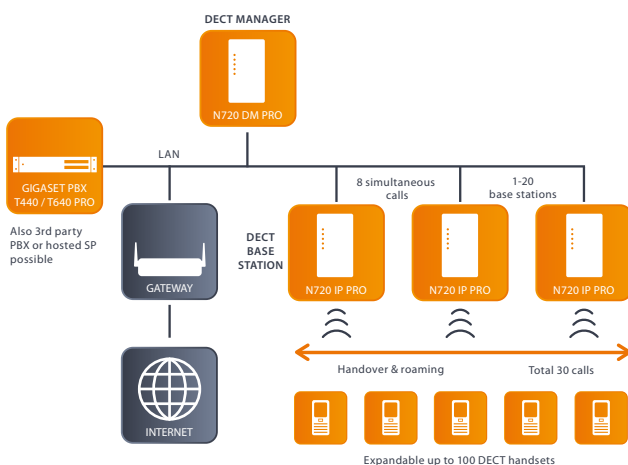
#### Hardware

- Wall- or ceiling mountable
- Antenna diversity
- 4 Status LEDs
- Reset key
- Ethernet RJ45 10/100 Mbps
- Power over Ethernet
  - N720 DM PRO: PoE IEEE 802.3af < 3,8W (Class 1)
  - N720 IP PRO: PoE IEEE 802.3af < 6,4W (Class 2)
- Power saving switch mode power supply (EU or UK)<sup>4</sup>
- Colour: polar white SF9063
- Dimension: 190 mm (H) x 110 mm (W) x 42 mm (D)
- Two-year warranty

#### Software

- Retrieval of Provisioning-URL via SIP Multicast or DHCP-Option
- Easy configuration via web browser
- Provider and PBX setting profiles
- Administrator friendly configuration via configuration file
- User specific Auto-provisioning
  - via MAC address
  - via Auto-configuration code
  - via XML configuration file
- Firmware upgrade / downgrade
- Backup and restore functions
- Visualization tool
- Event log

### Connectivity



## Technical specifications

- DECT EN 300 175-x
- Standards: GAP / PN-CAP/ CAT-iq 1.0
- DECT radio coverage up to 50 m (indoor) and 300 m (outdoor)
- Support of 120 DECT channels
- DECT latest security standard
- TLS for HTTPS and POP3S
- 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)
- XML-based Gigaset Online-Directory-Protocol, IPv4, SNTP, STUN, DHCP (Option 60, 114, 120), DNS, TCP, UDP, VLAN (IEEE 802.1q)
- 8 simultaneous calls per base (G.726, G.711, G.729ab codec), up to 4 calls with wideband audio (G.722)
- Codecs G.711, G.722, G.726, G.729ab (10 channels)
- VAD/CNG (for G.729ab)
- QoS (RFC2474, RFC2475)
- Approvals: CE

## PBX features<sup>3</sup>

- Network AM
- Call transfer: attended, unattended, via R-key
- Call waiting
- Call hold/toggle/resume
- Call reject
- CLIR
- Call forwarding: CFU, CFNR, CFB
- Call barring
- Auto-provisioning with Gigaset IP PBX
- Net directories via LDAP and XML

## Gigaset PBX T440/T640 PRO and Hybird 120 GE <sup>3, 5</sup>

- Autoprovisioning
- PBX Central Phonebook

## Packaging

- Dimension: 248 mm (L) x 186 mm (D) x 64 mm (H)
- Overall weight approx.: 363 g

## Environmental conditions

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

## Gigaset pro system components

### Gigaset N720 DECT IP Multicell System

#### Gigaset N720 DM PRO

- The DECT manager is required once in every installation as the core administration and management device. It is the interface to the PBX or the SIP provider.
- Order Nr. S30852-H2315-R101

#### Gigaset N720 IP PRO

- to 30 N720 IP PRO DECT base stations can be connected to the DECT manager.
- Order Nr. S30852-H2314-R101

#### Gigaset N720 SPK PRO

- This Site Planning Kit is recommended for the multicell site analysis and planning. The kit includes two calibrated handsets (Gigaset S810H) and one Gigaset N720 SPK PRO base station.
- Measurement of RSSI values
- Order Nr. S30852-H2316-R101

## Power supplies

- Optional, if no PoE/PoE injector available
- EU: Order Nr. C39280-Z4-C706
- UK: Order Nr. C39280-Z4-C745

## Gigaset T440 PRO, T640 PRO and Hybird 120 GE

Best interoperability is ensured when connected to the Gigaset PBX. Powerful, easy-to-administrate PBX communication systems for small to medium businesses, with capabilities exceeding those of conventional telephone systems. Its comprehensive range of calling options – internet, fixed-line, ISDN – and complete feature set establish an all-encompassing professional communication network with ultimate reliability. CTI-enabled data transfer, simple web administration, an extensive voicemail system, and more complete this all-around flexible and secure SMB phone system 'Made in Germany'.

- Gigaset T 440 PRO supports 40 registered users and up to 20 parallel calls
- Gigaset T 640 PRO enables 80 registered users and up to 40 parallel calls

# Gigaset pro

## Compatible handsets



SL750H PRO

### Micro in size, gigantic in business communication.

- Large 2.4" TFT-color display
- Up to 12 hours of talk time.
- Easy installation. Unpack, connect and conduct a call
- Full compatibility with Gigaset N510 Single and N720 DECT IP Multicell systems
- Modern design with convenient size and proportions
- Searchable local phonebook with up to 500 vCards and corporate phonebook via PBX (XML, LDAP)
- Support of Net provider features via menu
- Vibrating alert
- Silent charger mode during parallel ringing
- Headset connection via Bluetooth® or 2.5 mm jack
- Convenient data exchange via Bluetooth® or micro-USB
- PIN-protected keylock for optimum line security
- Charging via any micro-USB
- Scratch- and disinfectant resistance
- Wider, significantly thinner and more elegant



S650H PRO

### The new standard in business communication

- Next generation user interface on 1,8" TFT illuminated display
- Profiles for personal, meeting and noisy environments
- Handsfree talking with brilliant HDSP/CAT-IQ 2.0 sound quality and high maximum volume
- Searchable local phonebook with up to 500 vCards and corporate phonebook via PBX (XML, LDAP)
- Vibrating alert
- Silent charger mode during parallel ringing
- Headset connection via Bluetooth® or 2.5 mm jack
- Convenient data exchange via Bluetooth® or micro-USB
- PIN-protected keylock for optimum line security
- Charging via micro-USB
- Scratch- and disinfectant resistance



R650H PRO

### Robust and durable

- Next generation user interface on 1,8" TFT illuminated display
- Side keys for volume adjustment during a call
- Up to 14 hours of talk time.
- Visual call signaling over pocket torch LED
- Profiles for indoor, outdoor and personal use
- Handsfree talking with High Definition Voice/CAT-IQ 2.0 sound quality
- Full compatibility Gigaset N510 IP Single- and N720 IP Multicell systems
- Searchable local phonebook with up to 200 vCards and corporate phonebook via PBX (XML, LDAP)
- Vibrating alert
- Silent charger mode during parallel ringing
- Headset connection via 2.5 mm jack
- PIN-protected keylock for optimum line security
- Easy maintenance with Software-update-over-the-air support<sup>1</sup>
- Support of Net provider features via menu

## Handset compatibility

Full compatibility with Gigaset handsets: SL750H PRO, SL610H PRO, S510H PRO, S810H, S79H, SL400H, SL78H, C610H, C59H, R630H PRO

- <sup>1</sup> Dependent on country / network/ operator / PBX
- <sup>2</sup> With Gigaset HDSP capable handsets: e.g. SL750H PRO, SL610H PRO, S650H PRO, R630H PRO
- <sup>3</sup> When used with a Gigaset PBX system
- <sup>4</sup> Available as accessory
- <sup>5</sup> With Gigaset pro handsets only

## 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 or visit [gigasetpro.com](http://gigasetpro.com)