

VoIP phone snom 320

Innovative SIP based VoIP Phones

- Navigation key for quick menu access



- Direct access to voice mail box
- Message Waiting Indicator



- Function keys for quick access to standard phone functions



- 12 programmable keys with LEDs



Usability

Ideal for general office and knowledge-worker environments, the snom 320 is an affordable, yet powerful SIP business telephone with built-in, full-duplex speakerphone and three-party conference bridging. A 2 x 24 semi-graphic LCD display and menu-driven user interface supports custom branding and easy feature management. 12 programmable keys with LEDs support flexible trunk-access/busy lamp configuration. A 100-number call memory, 100-number onboard address book (to which data may easily be uploaded), custom call blocking, configurable/downloadable ringtones, auto-answer mode, DND and other sophisticated features insure convenience and productivity. And the 320's built-in web server supports even simpler end-user configuration, screen dialing, and access to call history.

The snom 320 is remote-manageable and firmware-upgradeable, uniquely easy to install, and largely self-configuring. Broad codec support

Security

and full compatibility with current SIP recommendations insures interoperability; support for STUN (for NAT traversal), ENUM (for dialed-number resolution) and other state-of-the-art features enables flexible deployment, behind local proxies, IP PBXs or hosted VoIP services. The snom 320 supports the security standard SRTP - a current specification from the Internet Engineering Task Force (IETF) for protection against eavesdropping - and TLS for protection against sniffing of signaling and authentication data.

By limiting need for external conference bridges/media server capacity or use of conference services for routine multiparty calls, the snom 320's built-in three-party conference bridge helps limit total cost of ownership, while also insuring high audio quality and low latency.

Interoperability

Technical Data

- **Dimensions:** approx. 25x 20 x 12 cm
- **Weight:** approx. 860 g
- **Certifications:** FCC Class B, CE Mark Commercial

CONNECTORS:

- **Network:** RJ45 (Ethernet)
- **PC:** RJ45 (Ethernet)
- **Power:** 5 V DC (stabilized)
- 2 port switch included
- Power over LAN (IEEE 802.3af) on network port
- **Handset:** RJ14 Standard Handset Connector
- **Headset:** RJ-Connector Headset

USER INTERFACE

- Display: 2 x 24 character display
- 47 keys, 13 LEDs
- Last calls (100 entries)
- Address book (100 entries)
- Address book Import/Export
- Number guessing, speed dialing
- Missed calls, dialed calls
- Call waiting indication
- Clock, daylight saving, call-timer
- Call blocking (Deny List)
- Programmable function keys
- Menu-driven user interface
- Selectable ringing melodies
- National language support for selected languages (NLS)
- Downloadable ringing melodies
- URL Dialing support
- Do not disturb
- Speakerphone (Full Duplex)
- Auto answer mode
- UTF8-encoded Caller-ID
- Multi-Line registration

CALL FEATURES

- Hold
- Blind transfer, Attended transfer
- Music on hold support
- Divert
- Call intrusion
- Conferencing (3-way conference bridge on phone)
- Call park, Call pick-up
- Call completion
- CMC (Client Matter Code)
- VLAN (802.1 P/Q)

WEB SERVER

- Embedded web server
- Easy configuration of the phone, remote configuration
- Dial from web interface
- Password protection
- Diagnostics (tracing, logging)

SECURITY

- HTTPS (server/client)
- Transport Layer Security (TLS)
- SRTP (RFC3711)
- Certificates can be loaded into device

CODECS

- G.711 aLaw, μ Law
- G.729A, G.726, G.723.1, GSM 6.10 (Full rate)
- G.722 (16 kHz)

SIP

- RFC3261 compliant
- UDP, TCP, TLS support
- Digest authentication
- Loose routing and strict routing support
- Error-information support
- Reliability of provisional responses (RFC3262)
- DNS SRV (RFC3263), redundant server support
- Offer/answer (RFC3264)
- Message waiting indication reception (RFC3842), subscription for MWI events (RFC3265)
- Dialog-state
- In-band DTMF/Out-of-band DTMF (RFC2833)
- STUN client (NAT traversal)
- ENUM (RFC3261)
- NAPTR (RFC2915)
- rport (RFC3581)
- REFER (RFC3515)
- Many other SIP features

INSTALLATION

- Static IP provisioning, DHCP
- HTTP/HTTPS client for configuration
- Automatic software update
- Completely automatic installation from web

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