

VOIP PHONE SNOM 320

Innovative SIP based VoIP Phone

Data Sheet

P/N: snom 320

snom
VoIP phones



- Two-line tiltable semi-graphical display
- 47 keys, 13 LEDs
- 12 programmable function keys
- Speakerphone
- 2 x IEEE 802.3 10/100 Mbps switch
- Power over Ethernet
- Headset connection
- SIP RFC3261
- Security: SIPS/SRTP, TLS
- STUN, ENUM, NAT, ICE
- Codecs: G.711, G.729A, G.723.1, G.722, G.726, GSM 6.10 (full rate)
- National Language Support

→ Usability

Ideal for the office and everyone who makes a lot of calls, 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-graphical LCD display and menu-driven user interface support easy feature management.

12 programmable keys with LEDs support flexible identity access/key configuration. A 100 number call memory, a 100 entry onboard address book (to which data may easily be uploaded), custom call blocking, configurable/downloadable ring-tones, auto-answer mode, DND and other sophisticated features ensure

→ Security

convenience and productivity. And the snom 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 and full compatibility with current SIP recommendations ensure interoperability; support for STUN (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.

→ Interoperability

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 the 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 ensuring high audio quality and low latency.

TECHNICAL DATA SNOM 320

GENERAL FEATURES

- **Dimensions:**
approx. 25 x 20 x 12 cm
- **Weight:** approx. 920 g
- **Certifications:** FCC Class B, CE Mark
- **Power consumption:** 2.1-2.3 watts

CONNECTORS

- **1 x LAN, 1 x PC:** RJ45 (Ethernet)
- **Power:** 5 V DC
- **Ethernet:** 2 x IEEE 802.3 10/100 Mbps switch
- **Power over Ethernet:** IEEE 802.3af, Class 1
- **Handset:** RJ11 connector
- **Headset:** RJ11 connector
- **Expansion Module:** Proprietary snom connector

USER INTERFACE

- 2 x 24 character, tiltable semi-graphical display
- 47 keys, 12 programmable function keys with LEDs (54 with the expansion module)
- Caller-ID
- Message waiting indication LED
- Address book (100 entries)
- Address book import/export
- Speed dialing
- Local dial plan
- Number guessing
- Lists of missed, received and dialed calls (100 entries each)
- Call waiting indication
- Clock, daylight saving, call-timer
- Call blocking (deny list)
- Blocking of anonymous calls
- Handling of up to 12 calls simultaneously
- Menu-driven user interface
- Ring tone selection, import of individual ring tones
- URL Dialing support
- National language support for selected languages (NLS)

- Do not disturb
- Speakerphone (full duplex)
- Auto answer mode
- Keyboard lock

CALL FEATURES

- Hold
- Blind transfer, attended transfer
- Music on hold support (only via PBX)
- Divert
- Conferencing (3-way conference bridge on phone)
- Call park, call pick-up (only via PBX)
- Call completion
- Client Matter Code (CMC)
- Call waiting/switching between calls
- Redialing
- RTP multicast paging
- Multiple audio device support

WEB SERVER

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

SECURITY, QUALITY OF SERVICE

- HTTPS (server/client)
- Transport Layer Security (TLS)
- SRTP (RFC3711), SIPS
- RTCP
- VLAN (802.1 pq)

CODECS, AUDIO

- G.711 A-law, μ -law
- G.729A, G.723.1, G.727
- GSM 6.10 (full rate)
- G.722
- Comfort noise, voice activity detection

SIP

- RFC3261 compliance
- UDP, TCP and TLS
- Digest/basic authentication
- Loose routing and strict routing support
- PRACK (RFC3262)
- Error-information support
- Reliability of provisional responses (RFC3262)
- Early media support
- DNS SRV (RFC3263), redundant server support
- Offer/answer (RFC3264)
- Message Waiting Indication (RFC3842), subscription for MWI events (RFC3265)
- Dialog-state monitoring (RFC 4235)
- In-band DTM F/out-of-band DTM F/SIP INFO DTMF
- STUN client (NAT traversal)
- ENUM (RFC3261), NAPTR (RFC2915), rport (RFC3581), REFER (RFC3515)
- Event list subscription support (RFC4662)
- Bridged line appearance (BLA)
- Auto provisioning with PnP
- Busy lamp field support (BLF)

INSTALLATION

- Automatic software update
- Automatic settings retrieval via HTTP/HTTPS/TFTP
- Installation via web interface
- Static IP provisioning, DHCP
- NTP

Copyright © 2000 – 2007 snom technology AG. All rights reserved. snom is a registered trademark of snom technology AG and affiliates in Germany, USA and certain other countries and regions. Unless specified otherwise, all trademarks, in particular product names, in this document are legally protected trademarks of snom technology AG. Other trademarks or registered trademarks mentioned in this document are the property of their respective manufacturers or owners. Product specifications contained in this document are subject to change without notice.