

snom 320

innovative SIP based VoIP phone



snom 320



Key Features

- 12 SIP Identities
- 12 Programmable function keys with LEDs
- Power over Ethernet (POE)
- Ethernet switch
- Movable backlit graphical display
- Speakerphone
- Expansion module available

Real solution for your work

Ideal for the office and everyone who makes a lot of calls, the snom 320 is an affordable, yet powerful telephone for your office.

A 2x24 graphical LCD display and a menu-driven user interface supports 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 ringtones, auto-answer mode, DND and other sophisticated features ensure 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-upgradable, uniquely easy to install

and largely self-configuring. Broad codec support and full compatibility with current SIP recommendations and its other state-of-the-art features enables flexible deployment behind local proxies, IP PBXs or hosted VoIP services.

Security on the first place

The snom 320 supports the security standard SRTP 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.

General Features

- Dimensions: approx. 250 x 200 x 120 mm
- Weight: approx. 920 g
- Certification FCC Class B, CE Marking
- Safety: IEC 60950-1:2001
- 1 x LAN, 1 x PC: RJ45 (Ethernet)
- Power over Ethernet: IEEE 802.3af, Class 1
- Power: PoE or 5V DC power supply listed in the user guide ⁽¹⁾
- Ethernet: 2 x IEEE 802.3 10/100 Mbps switch
- Handset: 4P4C connector
- Headset: (wired) 4P4C connector; wireless via snom EHS Advanced ⁽²⁾
- Expansion Module ⁽³⁾: Proprietary snom connector

User Interface

- Tilttable backlit graphical display, 2 x 24 character lines
- 47 keys, 12 programmable function keys with LEDs (42 additional programmable function keys on the Expansion Module ⁽³⁾)
- Menu-driven user interface
- Localization
- Selection of ring tones, VIP ring tones, integration of customized ring tones
- Call indication with LED
- LED indication for missed calls, waiting messages, and calls on hold
- Speakerphone
- Multiple audio device support
- Clock with automatic daylight-saving time
- Call timer

Call Features

- 12 identities (lines)
- Directory with 100 contact entries
- Import/Export of Directory
- Speed dialing
- URL dialing

- Local dial plan
- Automatic Redial on busy
- Call completion (Busy/Unreachable) ⁽⁴⁾
- Caller identification (caller ID)
- Call waiting
- Auto answer
- Call blocking (deny list)
- Blocking of anonymous calls
- Lists of missed, received, and dialed calls
- Hold
- Music on hold ⁽⁴⁾
- Handling of up to 12 calls simultaneously
- Blind and attended transfer
- Call forwarding
- 3-way conference on the phone
- Extension monitoring, call pickup ⁽⁴⁾
- Call park, call unpark ⁽⁴⁾
- Call completion ⁽⁴⁾
- Multicast paging
- DND mode (do not disturb)
- Mute microphone
- Keyboard lock
- Client Matter Code (CMC) ⁽⁴⁾

Web Server

- Embedded web server HTTP/HTTPS
- Remote configuration/provisioning
- 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, S-RTCP
- VLAN (IEEE 802.1X)
- LLDP-MED
- VPN

Codecs, Audio

- G.711 A-law, μ -law
- G.722, G.729A, G.723.1, G.726
- GSM 6.10 (full rate)

- (RFC3581), REFER (RFC3515)
- Bridged line appearance (BLA) ⁽⁴⁾
- Auto provisioning with PnP ⁽⁴⁾
- Busy lamp field support (BLF) ⁽⁴⁾

SIP

- RFC3261 compliance
- UDP, TCP and TLS
- Digest/basic authentication
- PRACK (RFC3262)
- 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 DTMF/out-of-band DTMF/ SIP INFO DTMF
- STUN client, ICE (NAT traversal)
- ENUM (RFC3261), NAPTR (RFC2915), rport

Installation

- Automatic software update
- Automatic settings retrieval via HTTP/HTTPS/TFTP with authentication
- Installation via web interface
- Remote management via TR-069/TR-111
- Static IP provisioning, DHCP
- NTP

⁽¹⁾ Available separately: Power supply PSAC10R-050 (snom PN 00002730)

⁽²⁾ Available separately: snom EHS Advanced V2.0 (snom PN 00002362)

⁽³⁾ Available separately: snom Expansion Module (snom PN 00001268)

⁽⁴⁾ If supported by PBX

Compatible with snom Expansion Module

