Snom 320

Innovative SIP based VoIP phone

snom

Snom 320

Key Features
· 12 SIP Identities
· 12 Programmable function keys with LEDs
· Power over Ethernet (POE)
· Ethernet switch
· Tiltable graphical display with backlight
· 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 2 x 24 graphical LCD display and a menu-driven user interface supports easy feature management.

12 programmable keys with LEDs support flexible 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 updatable, uniquely easy to install and largely self-configuring. Broad codec support and its other state-of-the-art features enables flexible deployment with various, IP PBXs or hosted VoIP platforms.

Security on the first place

The Snom 320 supports the security standard SRTP and TLS for protection against sniffing of signaling and authentication data.
With its characteristic horizontal design for easy dialing, the Snom 320 features a broad array of timesaving and efficient dedicated function keys.

SNOM

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;
  via Snom EHS Advanced [1] available
· Expansion Module [1]: Proprietary Snom connector

User Interface

· Tiltable graphical display with backlight
  2 x 24 character lines
· 47 keys, 12 programmable function keys with LEDs
  (42 additional programmable function keys on the
  Expansion Module [1])
· 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) [2]
· 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 [2]
· Handling of up to 12 calls simultaneously
· Blind and attended transfer
· Call forwarding
· 3-way conference on the phone
· Extension monitoring, call pickup [2]
· Call park, call unpark [2]
· Call completion [2]
· Multicast paging
· DND mode (do not disturb)
· Mute microphone
· Keyboard lock
· Client Matter Code (CMC) [2]
· Unified Communicated ready

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

Codecs, Audio

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

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), subscrip-
  tion 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
  (RFC3581), REFER (RFC3515)
· Bridged line appearance (BLA) [2]
· Auto provisioning with PnP [2]
· Busy lamp field support (BLF) [2]

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
[2] If supported by PBX

Part numbers for optional accessories

00002730	Power adapter, PSAC10R-050(TE)-R, EU & US clips	
00001168	UK clip for PSAC10R-050	
00001167	AUS clip for PSAC10R-050	
00003387	Power adapter, PSAC05R-050(TE)-R, Clips EU	
00003903	Power adapter, PSAC05R-050(TE)-R, Clips US	
00001122	HS-MM2 wired headset	
00001268	Snom Expansion Module	
00002362	Snom EHS Advanced V2.0 Adapter for Wireless Headsets	

Compatible with Snom Expansion Module