

# snom 200

## VoIP phone

Quality, open standards and cost effectiveness are the key words to describe the new generation snom VoIP telephones. With its new phone for business, snom delivers a fully featured communication appliance designed to satisfy all modern business requirements.

The snom 200 is the business solution for high level communication demands - an innovative, high quality VoIP phone especially designed for business users. Its appealing design, featuring double line graphic and industry-standard text display and keypad arrangement, make using the phone intuitive, simple and ergonomic. Excellent sound quality is delivered through an AC97-compliant audio subsystem, and the use of standard PC headsets allows hands-free operation. An extra Ethernet port enables users to "daisy chain" the phone with their PCs without the necessity for an extra LAN socket.

Built using open standards, and supporting both H.323/H.450 and SIP, the snom 200 can interoperate with soft clients such as Microsoft Messenger and standards-compliant equipment from other vendors. This allows customers to add

components from different manufacturers to their existing infrastructure in order to create a system adapted to their individual needs. An integrated web server makes the snom 200 much faster and simpler to use. Complementary software enables integration with Microsoft Outlook and other applications. Its programmable keys make it quick and easy to find numbers and initiate calls. Functions like call park/pickup or mailbox access can be access with one key press. LED indicate the status of lines.

The snom 200 works for users like a conventional phone with added features such as distinctive ringing and error-information messaging. Its easy operation and competitive pricing significantly reduce the TCO (Total Cost of Ownership). Using Linux as its operating system, integrating the snom 200 into your system is as easy as putting another Linux client into the network.

A centralized update mechanism keeps all telephones in the network automatically up-to-date, reducing operating costs and ensuring a secure return on your investment in this dynamic field. Using the snom 4S, users may share their address book with other users and use the registration information in the registry for address lookup.



# Technical Data

- **Certifications:** FCC Class B, CE Mark Commercial
- **Dimensions:** ca. 25.5 x 21 x 9 cm (10 x 8 1/4 x 3 1/2")
- **Weight:** ca. 690 g
- **Operating humidity:** 10% to 85%, Non-Condensing
- **Storage humidity:** 5% to 90% Non-Condensing
- **Operating temperature:** 0°C to 40°C (32°F to 104°F)
- **Power:** 48 V
- **Storing temperature:** -20°C to 70°C (-4°F to 158°F)

## Connectors:

- **Network:** RJ45 (Ethernet)
- **PC:** RJ45 (Ethernet)
- **Handset:** RJ14 Standard Handset Connector
- **Headset:** Standard Computer Headset and RJ Connector Headset
- **Power:** Center pin+

## User Interface

- 2 x 24 character display with graphical field (e.g. for operator pictures)
- 30 keys, 6 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, call-timer
- Caller-ID
- Call blocking (Deny List)
- Two lines (default)
- Programmable function keys
- Menu-driven user interface
- Selectable ringing melodies
- National language support (NLS)
- Asian language support (ALS)
- Log in/log out
- URL Dialing support
- Do not disturb
- Speakerphone (Half Duplex)
- Auto answer mode
- UTF8-encoded Caller-ID (ALS)
- Multi-Line registration†

## Call Features

- Hold
- Blind transfer, Attended transfer
- Music on hold support†
- Divert
- Call intrusion
- Conferencing
- Call park†, Call pick-up
- Call completion†

## Web Server

- Embedded web server
- Easy configuration of the phone, remote configuration
- Dial from web interface
- Password protection
- Diagnostics (tracing, logging)
- Images can be downloaded from Internet for slow connections

## Presence†

- Presence indication

- Probability registrations
- Compatible with Microsoft™ Messenger™

## Codecs

- G.711 aLaw, uLaw
- G.729A, GSM 6.10 (Full rate)
- GIPS (optional)
- 48 kHz, 16 bit audio hardware
- In-band DTMF
- Out-of-band DTMF (RFC2833)

## SIP

- RFC3261 compliant
- UDP and TCP support
- Digest authentication
- Loose routing and strict routing support
- Error-information support
- Distinctive Ringing (Alert-Info)
- Reliability of provisional responses (RFC3262)
- DNS SRV (RFC3263), redundant server support
- Offer/answer (RFC3264)
- Message waiting indication reception, subscription for
- MWI events (RFC3265)
- Session-Timer
- Dialog-State
- In-band and out-of-band DTMF
- STUN client (NAT traversal)
- UPnP client (NAT traversal)
- ENUM (RFC3261)
- NAPTR (RFC2915)
- rport (RFC3581)
- REFER (RFC3515)
- Outbound proxy support, initial route

## H323

- Fast start, early start
- H.245 tunneling
- H.450.2 (call transfer), H.450.3 (divert), H.450.4 (hold), H.450.5 (call park/pickup), H.450.7 (message waiting indication), H.450.9 (call completion), H.450.11 (call intrusion)
- Short message reception
- Out-of-band DTMF negotiation
- User input indication via H.245
- PBX codes (conference, pickup, divert, hold, transfer)
- Alternate Gatekeeper support
- Automatic Gatekeeper detection
- Configurable gatekeeper TTL
- Automatic settings retrieval from Gatekeeper
- Gateway or Gatekeeper mode
- Facility based supplementary services
- Gateway/External line prefix support

## Installation

- Static IP provisioning, DHCP
- http client for configuration
- Automatic software update
- Completely automatic installation from web
- Daylight saving time, time retrieval from proxy

## Ethernet

- 2 port with switch included (802.3 10/100 BT half duplex/full duplex with autosense)
- Power over LAN support & IEEE 802.3af

- † SIP only
- \* in preparation
- \*\* 3rd party OEM product

### Europe & ROW:

snom technology AG  
Pascalstr. 10B  
10587 Berlin, Germany  
Phone: +49 (30) 39833-0  
mailto:info@snom.de  
http://www.snom.com  
sip:info@snom.com

### USA and Americas:

snom USA Representation  
ABP International, Inc.  
1203 Crestside Dr.  
Coppell, Texas 75019, USA  
Phone: +1-972-831-0280  
sip:usa@snom.com  
mailto:usa@snom.de

### India and SAARC:

snom technology (India) Pvt Ltd.  
No. 417, International Trade Tower  
Nehru Place, New Delhi-110019  
Phone: +91 11 26234097  
Fax: +91 11 26234079  
http://www.snomindia.com  
mailto:info@snomindia.com  
sip:india@snom.com