snom
VoIP phones

Data Sheet

snom 200

Voice over IP phone

The 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 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 key pad arrangement, make using the phone intuitive, easy and ergonomic. Excellent sound quality is delivered through an AC97-compliant audio subsystem, and using standard PC headsets provides CD quality audio and allows hands-free operation. An extra Ethernet port with VLAN support also enables you to "daisy chain" the phone with your PC without the necessity for another LAN socket.

Built using open standards, and supporting both H.323/H.450 and SIP, the snom 200 can interoperate with soft clients like the Microsoft Messenger and standards-compliant equipment from other vendors. This allows customers to add components from different manufacturers to their existing infrastructure 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 TAPI-based applications. Its programmable keys make it quick and easy to find numbers and initiate calls.

The snom 200 works for users like a conventional phone with added features like overlap dialling 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. An integrated LDAP enables administrators to set up and use company and global phone books. 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.

Features

Technical Data:

- CERTIFICATIONS: FCC Class B, CE Mark Commercial
- DIMENSIONS: ca. 25.5 x 21 x 9 cm (10 x 81/4 x 31/2")
- 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
- STORAGE TEMPERATURE: -20°C to 70°C (-4°F to 158°F)

Connectors:

- NETWORK: RJ45 (Ethernet)
- PC: RJ45 (Ethernet)
- HANDSET: RJ14 Standard Hanset Connector
- HEADSET: Standard Computer 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)
- Number guessing, speed dialing, handsfree dialling
- Missed calls, taken calls
- Call waiting indication
- Clock, call-timer
- Caller-ID
- Anonymous call blocking
- Two lines (default)
- Programmable function keys
- Menu driven user interface
- Selectable ringing melodies
- National language support
- Log in/log out
- LDAP phone book
- URL Dialing support
- Do not disturb
- Speakerphone
- Auto answer mode

Call Features

- Hold
- Blind transfer
- Attended transfer
- Music on hold support†
- Divert
- Call intrusion
- Overlap dialing
- 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

Instant Messaging, Presence†

- Presence indication
- Probability registrations
- Reception of instant messages
- Compatible with Microsoft™ Messenger™

Codecs

- G.711 aLaw, µLaw
- G.729A, GSM 6.10 (Full rate)
- GIPS
- 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
- Reliability of provisional responses (RFC3262)
- DNS SRV (RFC3263), redudant server support
- Offer/answer (RFC3264)
- Message waiting indication reception, subscription for MWI events (RFC3265)
- Session-Timer
- In-band and out of band DTMF
- STUN client (NAT traversal)
- 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
- tftp and http cilent for configuration
- Automatic software update
- Completely automatic installation from web
- Daylight saving time, time retrieval from proxy

Ethernet

- 2 port with switch included
- Power over LAN support
- VLAN IEEE 802.11p, DiffSrv
- PPPoE support
- IEEE 802.3 10/100 BT half duplex/full diuplex with autosense

† SIP only

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