snom 220

VoIP telephone for superior communication

The new snom 220 extends the high end of the snom VoIP phones business line, which have been specially designed for the small and medium-sized enterprise segment.

The snom 220 is a high-end affordable business phone, which addresses the communication needs of power users such as executive and administrative staff who require high standards from communication systems.

Convenience is guaranteed by the 128 x 64 pixel graphical backlight display. The snom 220 is easy and intuitive to use thanks to its 4 dynamic context sensitive soft keys, which guide the user through call features and functions.

With the key expansion module (Keypad 220), call coverage and management are easy to handle. You can cascade up to three units to the snom 220.

With its VoIP phones and software systems, snom ensures customers comfort, quality, open standards and cost effectiveness. To optimize productivity and comfort, the snom 220 system telephone can also be used with a headset. Advanced features such as UPnP, STUN, ENUM and an extra Ethernet port are supported.

The snom 220 fullfills all requirements in a dynamic field. It has been designed to grow with your infrastructure. It can be integrated with components from different vendors and a centralized update mechanism can keep the phone automatically up-to-date, reducing operating costs and ensuring a secure return on your investment.

snom
The SIP Experts

Technical Data

- **Certifications:** FCC Class B, CE Mark   Commercial
- **Dimensions:** ca. 25.5 x 21 x 9,5 cm (10 x 8$1/4$ x 3$3/4$")
- **Weight:** ca. 802 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
- Display: Graphical 128 x 64 pixels
- 34 keys, 6 LEDs, 4 soft keys
- 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 (with expansion module up to 65 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, Law
- 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
- 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

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