snom 300

SIP based VoIP Phone

qualified for
Lync

- **Two-line display (2 x 16 characters)**
- **27 keys, 7 LEDs, 6 programmable function keys**
- **2 x IEEE 802.3 10/100 Mbps switch**
- **4 SIP identities (lines)**
- **Speakerphone**
- **Headset connector**
- **Localization**
- **SIP RFC3261**
- **Security: SIPS/SRTP, TLS, IEEE 802.1X**
- **STUN, ENUM, NAT, ICE**
- **Codecs: G.711, G.729A, G.723.1, G.722, G.726, GSM 6.10 (full rate)**
- **Power over Ethernet (PoE)**
- **XML driven mini-Browser**
- **Very low energy consumption**

The IP telephone with the latest VoIP technology for the discerning caller! Ideal for ITSPs, offices, and private users.

As the basic model of the snom business telephone family, the SIP telephone snom 300 fulfils the requirements of VoIP telephony and additionally offers numerous functions that are indispensable for everyday working life. Due to its excellent cost-performance ratio, it is ideal both for ITSP packages/products and for small and medium-sized enterprises, home offices, and private users.

The snom 300 sets new standards when it comes to user-friendliness: A two-line LCD display shows call information, and the menu-driven user interface provides simple feature management.

The snom 300 is synonymous with effectiveness, time saving and flexibility: It provides all necessary office functionalities, for example choice of outgoing identity, "busy" indication, or picking up calls. Four different identities are possible.

Six user- or administrator-configurable (or carrier-preconfigurable) function keys can easily be allocated to arbitrary menu functions like DND, redirection, deny, etc., or assigned to multiple lines. The snom 300 comes factory-equipped with two of its six programmable keys configured as line appearances. You can configure up to all six function keys this way – flexible enough to suit the needs of every user.

Are you afraid of unsolicited eavesdroppers, data theft, or spam calls? Thanks to the snom 300 you have no need to worry. Due to the security standards SRTP and SIPS, the snom 300 is just as secure as the business model snom 320. This makes it perfectly suited for use in sensitive environments such as in banks and medical or military establishments.

Technical Data snom 300

qualified for
Lync

GENERAL FEATURES

- **Dimensions:** approx. 20 x 18.5 x 12 cm
- **Weight:** approx. 730 g
- **Safety:** IEC 60950-1:2001, CB
- **Certifications:** FCC Class B, CE Mark
- **Average Power consumption with PoE:** Approx. 2.3– 2.7 W
- **1 x LAN, 1 x PC:** RJ45 (Ethernet)
- **Power:** Input voltage 5V DC, max. 5 W (adapter not included) [1]
- **Ethernet:** 2x IEEE 802.3 10/100 Mbps switch
- **Power over Ethernet:** IEEE 802.3af, Class 1
- **Handset:** 4P4C connector
- **Headset:** (wired) 4P4C connector; wireless via snom EHS Advanced [2]

USER INTERFACE

- 2 x 16 character display, backlit
- 27 keys, 6 programmable function keys with LEDs
- Caller-ID
- Message waiting indication LED
- Directory (100 entries)
- Directory import/export
- Speed dialing
- Local dial plan
- Number guessing
- Lists of missed, received and dialed calls (100 entries each)
- Call waiting indication
- Clock, daylight saving, call-timer
- Call blocking (deny list)
- Blocking of anonymous calls
- Handling of 4 simultaneous calls
- Menu-driven user interface
- URL Dialing support
- Do not disturb (DND)

- Ring tone selection, import of individual ring tones
- Localization
- Speakerphone
- Auto answer mode
- Keyboard lock

CALL FEATURES

- Hold
- Blind transfer, attended transfer
- Music on hold support [3]
- Call forwarding
- Conferencing (3-way conference bridge on phone)
- Call pick-up [3]
- Call park, call unpark [3]
- Call completion [3]
- Client Matter Code (CMC) [3]
- Call waiting/switching between calls
- Automatic redial on busy
- Multicast paging
- Multiple audio device support

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.726, G.729A, G.723.1, G.727
- GSM 6.10 (full rate)
- Comfort noise, voice activity detection

SIP

- RFC3261 compliance
- UDP, TCP and TLS
- Digest/basic authentication
- PRACK (RFC3262)
- Error-information support
- 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 (RFC3581), REFER (RFC3515)
- Bridged line appearance (BLA)
- Auto provisioning with PnP
- Busy lamp field support (BLF)

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] **Adapter available separately (P/N 3387; UK & Ireland: P/N 2203)**

[2] **snom EHS Advanced available separately (P/N 2362)**

[3] **If supported by PBX**