snom 710 IP phone

Essential functionality

- **Four-line B/W display**
- **4 SIP identities**
- **4 context-sensitive function keys**
- **5 freely programmable function keys with LEDs**
- **Wideband audio**
- **Hands-free operation**
- **Power over Ethernet (PoE)**
- **VLAN**
- **and much more**

The **snom 710** with the latest VoIP technology is the IP phone for the discerning caller: Ideally suited for ITSPs, offices, and private users.

As customary for snom products, the newest member of the snom 7xx business phone family fulfills the requirements of VoIP technology and additionally offers numerous functions that are indispensable for everyday working life. Due to its excellent cost-performance ratio, the **snom 710** is ideal both for ITSP bundle products and for small and medium enterprises, home offices, and private users.

The new audio subsystem was designed for excellent performance in office environments. It supports a large range of codecs and wideband audio in accordance with the TIA-920 standard.

The four-line B/W display with its four context-sensitive and variably programmable function keys sets new

standards of user-friendliness: The menu-driven user interface provides simple and comfortable feature management.

The freely programmable keys have built-in LEDs that show the status of the programmed function at a glance. Functions like extension or speed dial can be mapped onto these keys easily and comfortably on the phone's web interface or in the Settings menu.

Like all snom desktop phones, the **snom 710** comes with software that has been used in many installations over the last decade. Configuration can be done manually through the built-in web server or through automatic provisioning.

The phones come with a preinstalled certificate signed by the snom certificate authority which makes it possible to securely provision the phone without manual interaction. In addition to

the traditional provisioning mechanisms, the TR-069/TR-111 protocols are available for easy deployment in carrier environments.

There are extensive management and reporting tools available, such as RTCP-XR or PCAP. Customization can be done in various ways, such as the snom mini-browser protocol.

The **snom 710** can be supplied with power via the Ethernet cable or an optional power adapter (not included).

The footstand can be attached and removed easily without tools; it allows two positions for the device (28° and 46° angle). The snom 710 can also be wall mounted.

All in all, the **snom 710** raises the bar for VoIP phones in its class, in terms of voice quality, available features, and day-to-day usability.

Technical Data snom 710

GENERAL INFORMATION

- **Weight:** Phone approx. 440g, footstand approx. 120g
- **Dimensions:** approx. (mm) 205x185x40 (LxWxD) without footstand, 205x185x200/220 (LxWxD) with footstand
- **Certifications:** FCC Class B, CE Mark
- **Safety:** IEC 60950-1:2007, CB
- **Average power consumption:**
  - using PoE: approx. 1.76 - 2.32 W
  - with power adapter: approx. 2.2 - 2.9 W
- **Power over Ethernet/PoE:** IEEE 802.3af, Class 1
- **Power adapter[1]:** Output voltage +5V DC at 1,0 A maximum; Output power 5W; input voltage 100-240V, 50-60 Hz
- **Ethernet:** 2 x 10/100 Mbps switch
- **1 x LAN, 1 x PC:** RJ 45
- **Handset:** RJ-4P4C connector
- **Headset:** RJ-4P4C connector
- **Color:** Anthracite Grey

[1] Power adapter not included. Can be ordered separately (PN 2203)

USER INTERFACE

- Four-line display, BW, 128 x 48 pixels
- 5 freely programmable keys, 4 variable function keys
- 4 identities/accounts
- Menu-driven user interface
- Comfortable and intuitive menu structure
- Call indication with LED
- Caller identification
- LED indicators for missed calls and received messages
- Address book with 1000 contact entries
- Import/export of directory
- Speed dialing
- Local dial plan
- Hands-free talking (speakerphone)
- Lists of missed, received and dialed calls (100 entries each)

- Call waiting indication
- Clock with automatic daylight-saving time
- Call blocking (deny list)
- Blocking of anonymous calls
- Handling of up to 4 simultaneous calls
- Auto answer
- URL dialing
- Selection of ring tones, VIP ring tones, integration of customized ring tones
- National Language Support
- DND mode (do not disturb)
- Keyboard lock

ADDITIONAL FUNCTIONS

- Hold
- Blind and attended transfer
- Call forwarding
- 3-way conference on the phone
- Call park, call pickup
- Call completion (busy/unreachable)
- Client Matter Code (CMC)
- Automatic Redial
- Group call announcements
- Multiple audio device support
- Unified Communications ready

WEB SERVER

- Built in HTTP, HTTPS server
- Remote configuration/provisioning
- Dialing from web interface
- Password protection
- Diagnostics (traces, logging, syslog)

SECURITY, QUALITY OF SERVICE

- HTTPS-Server/-Client
- Transport Layer Security (TLS)
- SRTP (RFC3711), SIPS, RTCP
- VLAN (IEEE 802.1X)
- LLDP-MED, RTCP-XR

CODECS, AUDIO

- Wideband audio
- G.711 A-law, μ-law
- G.722, G.726, G.729AB, G.723.1
- GSM 6.10 (full rate)
- Comfort Noise Generator (CNG)
- Voice Activity Detection (VAD)

SIP

- RFC3261 compliant
- UDP, TCP and TLS
- Digest authentication
- PRACK (RFC3262)
- Error code indication
- 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 (NAT traversal)
- NAPTR (RFC 2915), rport (RFC 3581), REFER (RFC 3515))
- Bridged line appearance (BLA)
- Auto provisioning with PnP
- Presence/Buddy-list feature
- Busy lamp field support (BLF)
- Presence publishing

INSTALLATION

- Automatic software updates
- Automatic loading of settings via HTTP/ HTTPS/TFTP
- Completely configurable through web interface
- Remote management via TR-069/TR-111
- Static IP, DHCP support
- NTP