snom 870 The **8** experience

CTI inside · snom OCS edition · klarVOICE SUPERIOR AUDIO QUALITY

- **4,3" TFT Touch screen with 24 bit color depth**
- **Intuitive user interface**
- **Gigabit Ethernet Switch**
- **2 x Typ A, USB – WLAN ready**
- **Wideband Audio**
- **snom Flexor CTI, snom OCS edition ready**
- **Power over Ethernet**
- **SIP RFC3261**
- **Security: SIPS/SRTP, TLS**
- **STUN, ENUM, NAT, ICE**
- **National Language Support**
- **XML Mini Browser**

The **snom 870** VoIP telephone is our latest innovation for all modern people with high demands for future-oriented technology combined with user friendliness. The large high-resolution TFT color display is not only larger than the one of its little brother **snom 820**, it also offers an advancement in technical innovation. This display is a completely newly designed touch screen with unique, intuitive user interface. Thus the **snom 870** enables the user to easily handle even complex applications like swapping of calls, or establishment of conference calls for three participants via simple "drag and drop".

The well-arranged address book makes sure that each caller can be quickly identified. It offers space for additional information such as company affiliation, e-mail address and much more. The control elements on display are designed for active call handling, so that the right contact is selected even in multiple call scenarios.

The audio quality on **snom 870** matches the high standard that snom customers have come to expect: wideband audio with silence suppression and voice activity detection. The integrated XML mini browser in **snom 870** also provides a wide range of additional applications. Whether it be the control of an external USB monitoring camera or to access of the most important stock exchange data, the **snom 870** offers a great deal of space for extras.

No matter where the **snom 870** is used, it is ready for every scenario. Normal power supply via wall socket, Power over Ethernet (PoE) or WLAN through USB; the **snom 870** fits in each working environment. A secure connection via VPN, TLS and SRTP, which prevents the recording of data, completes the picture.

The dual 33° or 55° angle footstand, made of sturdy metal, makes all control elements easily visible and accessible, just like the **snom 820**.

With **snom 870** the user gets comfortable access to numerous functions, which hardly any other device can offer with such abundance and simplicity.

Technical Data snom 870

GENERAL FEATURES

- Weight: approx. 920g (690g without stand)
- Certificates: FCC Class B, CE Mark
- Security: IEC 60950-1:2001,
  CB test certificate: DE 2-008417
- 1 x LAN, 1 x PC: RJ45 (Ethernet)
- Voltage: 5V DC
- Ethernet: Gigabit Switch, 2 ports
- Power over network (PoE):
  IEEE 802.3af, class 1
- Handset: RJ-4P4C connection
- Headset: RJ-4P4C connection
- USB: 2 x type A

USER INTERFACE

- High resolution TFT touchscreen color display
- 4.3", 480 x 272 pixels, 24 bits color depth
- 29 keys, 5 LEDs
- 12 virtual freely programmable and
  12 variable function keys
- Comfortable and intuitive menu structure
- Call indication with LED
- Caller identification (by display picture)
- LED display for missed and received calls
  and messages
- Extended address book with
  import and export function
- Speed dialing
- Local dial plan
- Lists of missed, received and incoming
  calls (each 100 entries)
- Indication of held calls
- Clock with automatic time change,
  call time indication
- Call rejection (black list)
- Blocking of anonymous callers possible
- Swapping of all calls during an ongoing call
- Auto answer
- Selection of ring tones, VIP ring tones,
  integration of customized ring tones

- URL dialing
- National Language Support
- Mute function
- Hands-free talking (full-duplex)
- Keyboard lock

ADDITIONAL FUNCTIONS

- WLAN binding via USB Stick
- Hold
- Blind and Attended Transfer
- Hold music (via PBX)
- Redirection
- 3-way Conference on the phone
- Parking, pick-up (via PBX)
- Call back (Busy/Unreachable)
- Client Matter Code (CMC)
- Swap calls
- Automatic Redial
- Call Lists
- Group call announcements
- Simultaneous use of multiple
  audio output devices
- snom Flexor CTI and
  snom OCS edition ready

WEB SERVER

- Built in HTTP, HTTPS server
- Remote configuration/Provisioning
- Dialing via Web browser,
- Password protection
- Diagnosis (traces, logging, Syslog)

SECURITY, QUALITY OF SERVICE

- HTTPS Server/Client
- Transport Layer Security (TLS)
- SRTP (RFC3711), SIPS
- RTCP
- VLAN (802.1 pq)

CODECS, AUDIO

- Wideband Audio
- G.711 A-law, µ-law
- G.729A, G.723.1, G.726
- GSM 6.10 (full rate)
- G.722
- iLBC
- Silence Suppression /
  Voice Activity Detection (VAD)

SIP

- RFC3261 compliant
- UDP, TCP and TLS
- Digest Authentication
- "Loose routing" and "strict routing"
- 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)
- DTMF (multi-frequency dial tones)
  as well as DMTF via SIP INFO
- STUN client (NAT traversal)
- "Event list subscription support" (RFC4662)
- "Bridged line appearance (BLA)"
- "Auto provisioning with PnP"
- "Presence/Buddy-list feature"
- "Busy lamp field support (BLF)"

INSTALLATION

- Automatic software updates
- Automatic loading of settings via HTTP/
  HTTPS/TFTP
- Completely configurable through Web access
- Static IP, DHCP support
- NTP

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