

snom 870 IP phone

The 8 experience



- High-resolution 4.3" touch screen
- 12 identities (lines)
- Intuitive user interface
- 15 virtual function keys, freely programmable
- Wideband HD audio
- Speakerphone
- Local 3-way conferencing on the phone
- WLAN ready
- Power over Ethernet
- Gigabit Ethernet Switch
- XML Mini Browser
- 2 USB ports
- Solid aluminum footstand
- Power supply included

The **snom 870** is a VoIP telephone for all modern people who need sophisticated future-oriented technology combined with the highest user friendliness. The large high-resolution TFT color display is not only larger than the one of its little brother snom 821, but it also offers an advancement in technical innovation: It is a touch screen with a unique intuitive user interface. Thus the **snom 870** enables the user to easily handle even complex applications like call swapping or establishment of conference calls for three participants via simple drag-and-drop.

The well-arranged address book ensures that each caller can be quickly identified. It has room for additional information such as company affiliation, e-mail address, and much more. The control elements

on the display are designed for active call handling so that the right contact is selected even in multiple call scenarios.

The audio quality of the **snom 870** matches the high standards that snom customers have come to expect: wideband audio in HD Audio quality with silence suppression and voice activity detection.

The integrated XML mini browser provides a wide range of additional applications. Whether it is the control of an external monitoring camera or accessing the most important stock exchange data, the **snom 870** offers a lot of room for extras.

No matter where the **snom 870** is used, it is prepared for anything: power over

Ethernet (PoE) or conventional power supply via the adapter, WLAN via a USB adapter, to name a few. The **snom 870** adapts to any working environment. A secure connection via VPN, TLS and SRTP, which prevents the recording of data, completes the picture.

Already familiar from the snom 821, the dual 33° or 55° angle footstand, made of sturdy metal, makes all control elements easily visible and accessible.

With the **snom 870** the user gets comfortable access to numerous functions that are very rarely offered in such abundance and convenience by any other device.

Technical Data snom 870

GENERAL FEATURES

- **Weight:** approx. 920g (690g without stand)
- **Certificate** FCC Class B, CE marking
- **Security:** IEC 60950-1:2001, CB
- **Power:** PoE or 5V DC snom power supply listed in user guide ⁽¹⁾
- **Ethernet:** 2 x IEEE 802.3/1 Gigabit Switch
- **Power over Ethernet (PoE):** IEEE 802.3af, Class 2
- **1 x LAN, 1 x PC:** RJ45 (Ethernet)
- **USB ports:** 2 x type A, USB 2.0 Hi/Full/Low Speed-compatible host interfaces
- **Handset:** 4P4C connection
- **Headset:** 4P4C connector (wired) or wireless via snom EHS Advanced ⁽²⁾
- **Colors:** Black, light-gray

USER INTERFACE

- High resolution TFT touchscreen color display, 4.3", 480 x 272 pixels
- 29 keys, 5 LEDs
- 15 freely programmable virtual keys
- Comfortable and intuitive menu structure
- Localization
- Selection of ring tones, VIP ring tones, integration of customized ring tones
- Call indication with LED
- LED indication for missed calls, waiting messages (MWI), and calls on hold
- Speakerphone
- Multiple audio device support
- Clock with automatic daylight-saving time
- Indication of call duration

PHONE FUNCTIONS

- 12 identities (lines)
- Address book with 2000 contact entries
- Address book import/export
- Speed dialing
- URL dialing
- Local dial plan

- Automatic redial on busy
- Call completion (Busy/Unreachable) ⁽³⁾
- Caller identification
- Call waiting
- Switching between calls
- Auto answer
- Call blocking (deny list)
- Blocking of anonymous callers possible
- Lists of missed, received and dialed calls
- Hold
- Music on hold ⁽³⁾
- Handling of up to 12 calls simultaneously
- Blind (unattended) and attended transfer
- Call forwarding
- 3-way conference on the phone
- Extension monitoring, call pickup ⁽³⁾
- Call park, call unpark ⁽³⁾
- Multicast paging
- Mute microphone
- DND mode (do not disturb)
- Keyboard lock
- Client Matter Code (CMC) ⁽³⁾
- Unified Communications with snom CTI and snom UC Edition

WEB SERVER

- Built in HTTP, HTTPS server
- Remote configuration/provisioning
- Dialing from the Web browser
- 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
- VPN

CODECS, AUDIO

- Wideband audio
- G.711 a-law, μ -law
- G.722, G.723.1, G.726, G.729AB
- 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)
- DTMF (inband/out-of-band) as well as DMTF via SIP INFO
- STUN client (NAT traversal)
- Bridged line appearance (BLA) ⁽³⁾
- Auto provisioning with PnP ⁽³⁾
- Presence/Buddy-list feature ⁽³⁾
- Busy lamp field support (BLF) ⁽³⁾

INSTALLATION

- Automatic software updates
- Automatic loading of settings via HTTP/HTTPS/TFTP
- Completely configurable through Web interface
- Remote management via TR-069/TR-111
- Easy WLAN binding via USB stick ⁽⁴⁾
- Static IP, DHCP support
- NTP

⁽¹⁾ **Included: Power supply PSAC10R-056 (snom PN 00002730)**

⁽²⁾ **Available separately: snom EHS Advanced (snom PN 00002362)**

⁽³⁾ **If supported by PBX**

⁽⁴⁾ **Not included in delivery**

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