

Snom 870



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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 five 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:

Key Features

- 4.3" TFT Touch display with 24 bit color depth
- Intuitive user interface
- Gigabit Ethernet Switch
- 2 x Type A USB – WLAN ready
- Wideband HD audio quality
- Local 5-way conferencing on the phone
- WLAN ready
- Snom CTI and Snom OCS edition ready
- Power over Ethernet
- SIP RFC3261
- Security: SIPS/SRTP, TLS, IEEE 802.1X
- STUN, ENUM, NAT, ICE
- Localization
- XML Mini Browser

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 USB 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.

General Information

- Weight: approx. 920 g (690 g without stand)
- Certificates: FCC Class B, CE Mark
- Security: IEC 60950-1:2001, CB
- Voltage: Input voltage 5V DC, max. 10 W
- Average power consumption with PoE: Approx. 2.3–2.6 W (without USB peripherals)
- Ethernet: 2 x IEEE 802.3/1 Gigabit Switch
- Power over network (PoE): IEEE 802.3af, Class 1
- 1 x LAN, 1 x PC: RJ45
- 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⁽¹⁾
- Colors: Black and light-gray

User Interface

- High resolution TFT touchscreen color display
- 4.3", 480 x 272 pixels, 24 bits color depth
- 29 keys, 5 LEDs
- 15 freely programmable virtual keys
- 12 variable function keys
- Comfortable and intuitive menu structure
- Call indication with LED
- Caller identification (by display picture)
- LED indication for missed and received calls and messages
- Address book with 2000 contact entries
- Speed dialing
- Local dial plan
- Lists of missed, received and dialed calls (each 100 entries)
- Indication of calls on hold
- Clock with automatic daylight-saving time, call duration
- Call blocking (deny list)
- Blocking of anonymous callers possible
- Call swapping during an ongoing call
- Auto answer
- URL dialing

- Selection of ring tones, VIP ring tones, integration of customized ring tones
- Localization
- Mute function
- Hands-free talking (full-duplex)
- Keyboard lock
- DND mode (do not disturb)

Additional Functions

- Hold
- Blind and attended transfer
- Music on hold⁽²⁾
- Call forwarding
- 5-way conference on the phone
- Call park, call unpark⁽²⁾
- Extension monitoring, call pickup⁽²⁾
- Call completion (Busy/Unreachable)⁽²⁾
- Client Matter Code (CMC)⁽²⁾
- Call swapping
- Automatic redial on busy
- Multicast paging
- Multiple audio device support
- Unified Communications

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 802.1Q)
- LLDP-MED

Codecs, Audio

- Wideband audio
- G.711 a-law, μ -law
- G.722, G.723.1, G.726, G.729AB
- GSM 6.10 (full rate)
- Silence suppression / Voice Activity Detection (VAD)

⁽¹⁾ snom EHS Advanced available separately (P/N 2362)

⁽²⁾ If supported by PBX

⁽³⁾ Not included

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 DTMF
via SIP INFO
- STUN client (NAT traversal)
- 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 interface
- Easy WLAN binding via USB stick⁽³⁾
- Static IP, DHCP support
- NTP