

snom 821 IP phone

The 8 experience

qualified for
Lync



- High-resolution 3.5" color display
- 12 identities (lines)
- 37 keys, 9 LEDs
- Freely programmable function keys (4 hard keys, 12 virtual keys)
- Local 3-way-conference
- Wideband HD audio
- Speakerphone
- WLAN ready
- Power over Ethernet
- Gigabit Ethernet switch
- XML Mini Browser
- Solid aluminum footstand
- Power supply included

The **snom 821** VoIP phone unites two of the biggest requirements for modern telephony in one device: extraordinary VoIP technology and design.

The SIP-based phone is optimized for professional use, from a technical standpoint as well as from its look. The **snom 821** comes with an integrated Gigabit Ethernet switch on board which enables connected devices to benefit from all modern network installations.

With its high-resolution TFT color display the **snom 821** offers a brilliant depiction of call lists, phone directories, and caller information via the integrated XML mini browser.

The wideband technology - snom klarVOICE HD Audio quality - makes

the user feel as if the caller were in the same room. In hands-free-mode, a Class D amplifier reliably suppresses interference noise.

Moreover, the **snom 821** offers all conveniences snom customers have come to expect from our phones.

Furthermore the **snom 821** includes the use of secure VPN as well as TLS and SRTP, making it almost impossible to hack or misuse data. The **snom 821** is ready for WLAN through the USB type A connector on the phone (adapter not included).

The **snom 821** also offers a wide range of functions particularly relevant to the business world, like 3-way conferencing, multiple ringtones, and up to twelve different identities.

The user interface was designed for clarity and intuitive operation.

All keys are extremely easy to see and reach from almost any angle, whether the **snom 821** is set up with the footstand in high (55°) or low (33°) position!

The look of the snom 8xx series was designed in cooperation with one of the most renowned German industrial designers.

The **snom 821** gives the discerning user comfortable access to numerous business functions that have become matter of course in today's telephony.

Technical Data snom 821 qualified for Lync

GENERAL INFORMATION

- **Weight, with footstand:** approx. 900g
without footstand: approx. 670g
- **Certification** FCC Class B, CE marking
- **Power:** PoE or 5V DC snom power supply listed in user guide ⁽¹⁾
- **1 x LAN, 1 x PC:** RJ45 (Ethernet)
- **Ethernet:** 2 x IEEE 802.3/1 Gigabit Switch
- **Power over Ethernet (PoE):** IEEE 802.3af, Class 2
- **USB port:** 1 x type A, USB 2.0 Hi/Full/Low Speed-compatible host interface
- **Handset:** 4P4C connector
- **Headset:** (wired) 4P4C connector or wireless via snom EHS Advanced ⁽²⁾
- **Colors:** Black, light-gray

USER INTERFACE

- High-resolution TFT color display, 3.5", 320 x 240 pixels
- 37 keys, 9 LEDs
- 4 freely programmable keys with LEDs
- 12 freely programmable virtual keys
- 4 variable function keys
- Comfortable and intuitive menu structure
- Localization
- Ringtone selection, VIP ringtones, import of individual ringtones
- Call indication via LED
- LED indication for missed calls, new messages, and calls on hold
- Speakerphone
- Multiple audio device support
- Clock with automatic daylight-saving time, call duration

PHONE FUNCTIONS

- 12 identities (lines)
- Directory (up to 1000 entries)
- Import/export of directory
- Speed dial
- URL dialing

- Local dial plan
- Automatic redial on busy
- Call completion on busy/not available ⁽³⁾
- Caller identification
- Call waiting
- Switching between calls
- Auto answer
- Call blocking (deny list)
- Blocking of anonymous calls
- 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 conferencing (bridge on 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 ready

WEB SERVER

- Built in HTTP/HTTPS web server
- Remote configuration/provisioning
- Dial from web interface or snom CTI
- Password protection
- Diagnostics (tracing, logging, syslog)

SECURITY, QUALITY OF SERVICE

- HTTPS (server/client)
- Transport Layer Security (TLS)
- SRTP (RFC 3711), 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 FR

- Comfort noise generation (CNG)
- Voice activity detection (VAD)

SIP

- RFC 3261 compliant
- UDP, TCP, and TLS
- Digest/basic authentication
- Loose routing and strict routing
- PRACK (RFC 3262)
- Error information support
- Reliability of provisional responses (RFC 3262)
- Early media support
- DNS SRV (RFC 3263), redundant server support
- Offer/Answer (RFC 3264)
- Message Waiting Indication (RFC 3842), subscription for MWI events (RFC 3265)
- Dialog-state monitoring (RFC 4235)
- In-band/out-of-band/SIP INFO DTMF
- STUN client (NAT traversal)
- NAPTR, (RFC 2915), rport (RFC 3581), REFER (RFC 3515)
- Event list subscription support (RFC 4662)
- Bridged line appearance (BLA) ⁽³⁾
- Auto provisioning with PnP ⁽³⁾
- Presence/Buddy-list feature ⁽³⁾
- Busy lamp field support (BLF) ⁽³⁾
- Presence publishing ⁽³⁾

INSTALLATION

- Automatic software updates
- Automatic settings retrieval via HTTP/HTTPS/FTTP
- Configuration via web interface
- Remote management via TR-069/TR-111
- Easy WLAN binding via USB adapter ⁽⁴⁾
- Static IP, DHCP
- 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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