

Snom 820 IP Phone



Product Name: Snom 820 IP Phone

Manufacturer: Snom

Model Number: SNOM820

Please Note: The snom 820 has been discontinued. For an alternative, we highly recommend the snom 821.

Snom 820 IP Phone

The snom 820 IP Phone is the beginning of a superior line of business VoIP phones. It's extraordinary elegance and performance combines both: latest technology and well known snom features. The snom 820 IP Phone is an amazing experience for everybody who is used to the basic world of telephony.

The snom 820 IP Phone is the beginning of a new business phone series from snom. It is like the prelude of a new masterpiece in VoIP technology. In this series we want to merge two of the main requirements of modern telephony in one device: mature VoIP technology and design in a class of its own.

snom 820 IP Phone Features

- High-resolution TFT color display (8.9 cm (3.5") 320px x 240px)
- Comfortable and intuitive menu structure
- 5-way conferencing (bridge on phone)
- Caller identification on display
- Directory (250 entries)
- Import/export of directory/phonebook

Display

With its large high-resolution TFT color display (8,9 cm (3.5"), 320 x 240 pixels) the snom 820 IP Phone offers a brilliant depiction of call lists, phone directories, and caller information via the integrated XML browser.

Audio

The wideband technology used in the handset captures more than double of the spectrum of voice frequencies that by standard phones. This means the audio quality can be compared to FM radio. On speakerphone a Class D amplifier reliably suppresses interference noise. This means high power conversion efficiency combined with an excellent sound.

WLAN and Security

Additionally, the new snom 820 IP Phone WLAN enables you to install the phone in any surrounding you are. Whatever you prefer, the snom 820 IP Phone is prepared for any option: Power over plug with WLAN or Power over Ethernet (PoE). Moreover, the snom 820 IP Phone offers all conveniences snom customers have come to expect from us. As security is one of the main requests in our times snom always assumed this responsibility in a very serious way. So features like secure VPN, TLS and SRTP are an integral part of the 820s firmware. To make sure that the data of our customers is secure and to inhibit to hack and copy data is one of our goals we always want to achieve.

Conferencing and Functions

But the snom 820 IP Phone also offers a wide range of functions particularly relevant to the

business world, like 5-way conferencing, multiple ringtones, and up to twelve different SIP identities. This is the meaning of independence in every day work. To guarantee maximum comfort the user interface of the snom 820 IP Phone is designed especially for a clear and intuitive operation. All phone keys are arranged that they are easy to see and reach from almost any angle, regardless of whether the snom 820 IP Phone is set up with the footstand in the high or low position.

Design

The new look of the snom 820 IP Phone was designed in cooperation with very renowned German industrial designers - and this first model of the new product line of snom phones is living up to the highest expectations in functionality and timeless beauty.

Please note that all snom IP Phones come with a Power Adaptor and are PoE compatible.

Snom 820 IP Phone Technical Specifications

General Features

- Weight: with footstand approx. 900g, without footstand approx. 670g
- Certifications: FCC Class B, CE Mark
- Power consumption: 2.8 – 4.3 watts

Connectors

- 1 x LAN, 1 x PC: RJ45 (Ethernet)
- Power 5V DC
- Ethernet: 2 x IEEE 802.3 10/100 Mbps Switch
- Power over Ethernet: IEEE 802.3af, Class 2
- Handset: RJ-4P4C connector
- Headset: RJ-4P4C connector
- USB 2.0 Full/Low Speed host interface

User Interface

- High-resolution TFT color display
- 3.5", 320 x 240 pixels
- 37 keys, 9 LEDs
- 4 freely programmable and 16 customizable function keys
- Comfortable and intuitive menu structure
- Incoming call indication via LED
- Caller identification on display
- LED indication for missed calls and new messages
- Directory (250 entries)
- Import/export of directory
- Speed dial
- Local dial plan
- Lists of missed, received and dialed calls (100 entries each)
- Indication of calls on hold
- Clock with automatic daylight-saving time, call duration
- Call blocking (deny list)
- Blocking of anonymous calls
- Handling of up to 12 calls simultaneously
- Auto answer mode
- Ringtone selection, VIP ringtones, import of individual ringtones
- URL dialing support
- Multiple language support
- DND mode (do not disturb)
- Speakerphone (full duplex)

- Keyboard lock

Additional Functions

- Extremely easy WLAN connection via USB
- Hold
- Unattended and attended transfer
- Music on hold (if supported by PBX)
- Call forwarding
- 5-way conferencing (bridge on phone)
- Call park, call pickup (if supported by PBX)
- Call completion on busy/not available
- Client Matter Code (CMC)
- Call waiting/switching between calls
- Redialing
- RTP multicast paging
- Multiple audio device support

Web Server

- Embedded HTTP/HTTPS web server
- Remote configuration possible
- Dial from web interface or snom Flexor CTI
- Password protection
- Diagnostics (tracing, logging, syslog)

Security, Quality of Service

- HTTPS (server/client)
- Transport Layer Security (TLS)
- SRTP (RFC 3711), SIPS, RTCP, VLAN (802.1pq)

Codecs, Audio

- Wideband audio
- G.711 a-law, µ-law
- G.722, G.723.1, G.726, G.729AB, GSM FR
- iLBC, AMR
- 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)
- ENUM (RFC 3261), NAPTR, (RFC 2915), rport (RFC 3581), REFER (RFC 3515)
- Event list subscription support (RFC 4662)
- Bridged line appearance (BLA)
- Auto provisioning with PnP
- Presence/buddylist feature
- Busy lamp field support (BLF)
- Presence publishing

Installation

- Automatic software updates
- Automatic settings retrieval via HTTP/HTTPS/TFTP
- Configuration via web interface
- Static IP, DHCP
- NTP

Snom VoIP Phones Comparison Table

Model
Display
PoE
SIP IDs
Large LED Incoming Calls
Prog. Keys w/ LEDs
Ext Keyboard
Screen Brand
Upright Stand
Wireless Headset Adaptor

2-line, 16 chars

4

6

Hinged 2-line char display w/ graphical field

12

12

Hinged backlit graphical display(128px x 64px)

12

12

Hinged backlit HD graphical display(240px x 128px)

12

12

TFT colour 3.5" display(320px x 240px)

12

4 Program., 16 Custom

Adj. foot stand

TFT colour 3.5" display(320px x 240px)

12

4 Program., 16 Custom

Adj. foot stand

TFT touch screen 24bit colour 4.2" display(480px x 272px)

12

4 Program., 16 Custom

Adj. foot stand

Snom 820 IP Phone Related Accessories





VoIPVN <http://voip.com.vn>

Snom 820 IP Phone

snom HS-MM2 Headset

snom Wireless Headset Adapter



snom Vision Visual Expansion Module

snom WLAN USB Stick

Please Enquire
