

## VoIP phone snom 190

The power of VoIP for business and home



Usability

Security

Interoperability

The snom 190 addresses demanding business customers using the latest VoIP technology.

Equipped with a two-line graphical display, the snom 190 supports alphanumeric caller ID and a feature-rich user interface. An extra Ethernet port enables users to "daisy chain" the phone with their PCs without the necessity for an extra LAN socket. For hands-free operation a standard PC headset can be used.

Supporting SIP, the snom 190 interoperates with standards-compliant equipment from other vendors. Advanced features like call pickup and parking or automatic call-back are implemented using latest standards. Its programmable keys make it quick and easy to find numbers and initiate calls. The support for SIPS and SRTP allow voice conversations on a very high security level. The support of various NAT standards allows the operation in all environments where VoIP is possible.

For more information, contact your snom partner.

# Technical Data

- **Certifications:** FCC Class B, CE Mark Commercial
- **Dimensions:** approx. 25.5 x 21 x 9 cm (10 x 8 1/4 x 3 1/2")
- **Weight:** approx. 690 g
- **Operating humidity:** 10% to 85%, Non-Condensing
- **Storage humidity:** 5% to 90% Non-Condensing
- **Operating temperature:** 0°C to 40°C (32°F to 104°F)
- **Power:** 5V
- **Storing temperature:** -20°C to 70°C (-4°F to 158°F)
- **Color:** anthracite blue

## CONNECTORS:

- **Network:** RJ45 (Ethernet)
- **PC:** RJ45 (Ethernet)
- **Handset:** RJ14 Standard Handset Connector
- **Headset:** PC Connector Headset, RJ14 Connector Headset
- **Power:** Center pin+

## USER INTERFACE

- 2 x 24 character display with graphical field (e.g. for operator pictures)
- 30 keys, 6 LEDs
- Address book (100 entries)
- Address book Import/Export
- Number guessing, speed dialing
- Missed calls, dialed calls, received calls (100 entries)
- Call waiting indication
- Clock, daylight saving, call timer
- Caller-ID
- Call blocking (Deny List)
- Administration of 5 parallel calls
- Programmable function keys
- Menu-driven user interface
- Selectable ringing melodies
- Downloadable custom melodies
- National language support (NLS)
- Privacy Settings
- Log on wizard
- URL Dialing support
- Do not disturb
- Speakerphone (Full Duplex)
- Auto answer mode
- UTF8-encoded Caller-ID (ALS)
- Multi-Line registration
- NTP client with daylight saving time

## CALL FEATURES

- Hold
- Blind transfer, Attended transfer
- Music on hold support
- Divert
- Call intrusion
- Conferencing (3-way conference bridge on phone)
- Call park, Call pick-up

\* in preparation

- Call completion (Automatic Redial)
- CMC (Client Matter Code)
- Compatible with Microsoft™ Windows Messenger™

## HTTP SERVER

- Embedded web server (HTTP, HTTPS)
- Easy configuration of the phone, remote configuration
- Dial from web interface
- Password protection
- Probability registrations
- Diagnostics (tracing, logging) Presence

## INSTANT MESSAGING, PRESENCE

- Presence indication
- Receiving of Instant Messages

## CODECS

- G.711 aLaw, uLaw
- G.729A, GSM 6.10 (Full rate)
- G.722\*, G.723.1

## SECURITY

- HTTPS (server/client)
- SIPS
- Secure media via SRTP using 128-bit AES
- Certificates can be loaded into device

## SIP

- RFC3261 compliant
- Seven SIP lines
- UDP, TCP, TLS support
- Digest authentication
- Loose routing and strict routing support
- Error-information support
- Distinctive Ringing (Alert-Info)
- Reliability of provisional responses (RFC3262)
- DNS SRV (RFC3263), redundant server support
- Offer/answer (RFC3264)
- Message waiting indication reception, subscription for MWI events (RFC3265)
- Vmail & SMS (RFC3265)
- Session-Timer
- Dialog-State
- In-band DTMF/Out-of-band DTMF (RFC2833)
- STUN client (NAT traversal; RFC3489)
- ENUM (RFC3761)
- NAPTR (RFC2915)
- rport (RFC3581)
- REFER (RFC3515)
- IDNA (RFC3490)
- Many other SIP features

## INSTALLATION

- Static IP provisioning, DHCP
- HTTP/HTTPS server for configuration
- Automatic software update
- Completely automatic installation from web

## ETHERNET

- 2 port with switch included (802.3 10/100 BT half duplex/full duplex with autosense)

snom technology AG  
Gradestraße 46  
12347 Berlin  
tel/enum: +49 30 39833-0  
fax: +49 30 39833-111  
sip: info@snom.com  
mail: info@snom.com