





## Snom IP Handsets

Our IP Phones portfolio offers a full family of cost effective IP based solutions that have been designed for interoperability, upgradeability and ease of use. From CPE based to hosted solutions, Snom has the IP products for all your business needs ranging in fully featured telephone system IP handsets and headset converters.

The range includes the following items:

	<p>The <b>Snom 300</b> is our entry level IP phone. For effective everyday work, the <b>Snom 300</b> provides all relevant office functions such as choice of trunk line, status display, group lines, the engaged option or picking up calls.</p>
	<p>Ideal for general office and knowledge-worker environments, the <b>Snom 320</b> is an affordable, yet powerful SIP business telephone with built-in, full-duplex speakerphone and three-party conference bridging.</p>
	<p>The <b>Snom 360</b> was designed for maximum productivity and efficiency in the everyday business environment. Dedicated keys provide you with direct access to the functions for audio and call control, and context-sensitive menus offer you the additional functionality that you may need at any given moment. The graphical display can be tilted for optimum reading angle.</p>
	<p>The <b>Snom 370</b> is the VoIP phone for the business user who needs immediate access to all of their important information. With the large graphical, high-definition display, the <b>Snom 370</b> offers an improved and extended presentation of call lists, address books and caller information. Caller information can be customized easily through XML to depict the information the user wants displayed.</p>

For more information or to purchase any of these handsets please contact:

### Digital Techniques (Asia) Limited

Unit 306, 3/F, B2B Centre  
36 Connaught Road  
Sheung Wan  
Hong Kong

Email: [sales@dtasia.net](mailto:sales@dtasia.net)



# Snom 300

## Product Features

- Two-line display (2 x 16 characters)
- 27 keys, 7 LEDs
- 6 programmable function keys
- 2 x IEEE 802.3 10/100 Mbps switch
- 4 identities
- Headset connection
- SIP RFC3261
- Security: SIPS/SRTP, TLS
- STUN, ENUM, NAT
- Codecs: G.711, G.729A, G.723.1, G.722, G.726, GSM 6.10 (full rate)

## Product Specification

### GENERAL FEATURES

- **Dimensions:** approx. 20 x 18.5 x 12 cm
- **Weight:** approx. 730 g
- **Safety:** IEC 60950-1:2001, CB Test Certificate: DE 02011039
- **Certifications:** FCC Class B, CE Mark
- **Power consumption:** 1.9 – 2.1 watts

### CONNECTORS

- **1 x LAN, 1 x PC:** RJ45 (Ethernet)
- **Power:** 5 V DC
- **Ethernet:** 2 x IEEE 802.3 10/100 Mbps switch
- **Handset:** RJ11 connector
- **Headset:** RJ11 connector

### USER INTERFACE

- 2 x 16 character display
- 27 keys, 6 programmable function keys with LEDs
- Caller-ID
- Message waiting indication LED
- Address book (100 entries)
- Address book import/export
- Speed dialing
- Local dial plan
- Number guessing
- Lists of missed, received and dialed calls (100 entries each)
- Call waiting indication
- Clock, daylight saving, call-timer

- Call blocking (deny list)
- Blocking of anonymous calls
- Handling of 4 simultaneous calls
- Menu-driven user interface
- Ring tone selection, import of individual ring tones
- URL Dialing support
- National language support for selected languages (NLS)
- Do not disturb
- Speakerphone (full duplex)
- Auto answer mode
- Keyboard lock

## **CALL FEATURES**

- Hold
- Blind transfer, attended transfer
- Music on hold support (only via PBX)
- Divert
- Conferencing (3-way conference bridge on phone)
- Call park, call pick-up (only via PBX)
- Call completion
- Client Matter Code (CMC)
- Call waiting/switching between calls
- Redialing
- RTP multicast paging
- Multiple audio device support

## **WEB SERVER**

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

## **SECURITY, QUALITY OF SERVICE**

- HTTPS (server/client)
- Transport Layer Security (TLS)
- SRTP (RFC3711), SIPS
- RTCP
- VLAN (802.1 pq)

## **CODECS, AUDIO**

- G.711 A-law,  $\mu$ -law
- G.729A, G.723.1, G.727
- GSM 6.10 (full rate)

- G.722
- Comfort noise, voice activity detection

## **SIP**

- RFC3261 compliance
- UDP, TCP and TLS
- Digest/basic authentication
- Loose routing and strict routing support
- PRACK (RFC3262)
- Error-information support
- 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)
- In-band DTMF/out-of-band DTMF/SIP INFO DTMF
- STUN client (NAT traversal)
- ENUM (RFC3261), NAPTR (RFC2915), rport (RFC3581), REFER (RFC3515)
- Event list subscription support (RFC4662)
- Bridged line appearance (BLA)
- Auto provisioning with PnP
- Busy lamp field support (BLF)

## **INSTALLATION**

- Automatic software update
- Automatic settings retrieval via HTTP/HTTPS/TFTP
- Installation via web interface
- Static IP provisioning, DHCP
- NTP

# Snom 320

## Product Features

- Two-line tiltable semigraphical display
- 47 keys, 13 LEDs
- 12 programmable function keys
- Speakerphone
- 2 x IEEE 802.3 10/100 Mbps switch
- Power over Ethernet
- Headset connection
- SIP RFC3261
- Security: SIPS/SRTP, TLS
- STUN, ENUM, NAT, ICE
- Codecs: G.711, G.729A, G.723.1, G.722, G.726, GSM 6.10 (full rate)
- National Language Support

## Product Specification

### GENERAL FEATURES

- **Dimensions:** approx. 25 x 20 x 12 cm
- **Weight:** approx. 920 g
- **Certifications:** FCC Class B, CE Mark
- **Power consumption:** 2.1 – 2.3 watts

### CONNECTORS

- **1 x LAN, 1 x PC:** RJ45 (Ethernet)
- **Power:** 5 V DC
- **Ethernet:** 2 x IEEE 802.3 10/100 Mbps switch
- **Power over Ethernet:** IEEE 802.3af, Class 1
- **Handset:** RJ11 connector
- **Headset:** RJ11 connector
- **Expansion Module:** Proprietary snom connector

### USER INTERFACE

- 2 x 24 character, tiltable semigraphical display
- 47 keys, 12 programmable function keys with LEDs (54 with the expansion module)
- Caller-ID
- Message waiting indication LED
- Address book (100 entries)
- Address book import/export
- Speed dialing

- Local dial plan
- Number guessing
- Lists of missed, received and dialed calls (100 entries each)
- Call waiting indication
- Clock, daylight saving, call-timer
- Call blocking (deny list)
- Blocking of anonymous calls
- Handling of up to 12 calls simultaneously
- Menu-driven user interface
- Ring tone selection, import of individual ring tones
- URL Dialing support
- National language support for selected languages (NLS)
- Do not disturb
- Speakerphone (full duplex)
- Auto answer mode
- Keyboard lock

## **CALL FEATURES**

- Hold
- Blind transfer, attended transfer
- Music-on-hold support (only via PBX)
- Divert
- Conferencing (3-way conference bridge on phone)
- Call park, call pickup (only via PBX)
- Call completion
- Client Matter Code (CMC)
- Call waiting/switching between calls
- Redialing
- RTP multicast paging
- Multiple audio device support

## **WEB SERVER**

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

## **SECURITY, QUALITY OF SERVICE**

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- G.729A, G.723.1, G.726
- GSM 6.10 (full rate)
- G.722
- Comfort noise, voice activity detection

## SIP

- RFC3261 compliance
- UDP, TCP and TLS
- Digest/basic authentication
- Loose routing and strict routing support
- PRACK (RFC3262)
- Error-information support
- 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)
- In-band DTMF/out-of-band DTMF/SIP INFO DTMF
- STUN client (NAT traversal)
- ENUM (RFC3261), NAPTR (RFC2915), rport (RFC3581), REFER (RFC3515)
- Event list subscription support (RFC4662)
- Bridged line appearance (BLA)
- Auto provisioning with PnP
- Busy lamp field support (BLF)

## INSTALLATION

- Automatic software update
- Automatic settings retrieval via HTTP/HTTPS/TFTP
- Installation via web interface
- Static IP provisioning, DHCP
- NTP

# Snom 360

## Product Features

- Tilttable graphical display (128 x 64 pixels)
- 47 keys, 13 LEDs
- 12 programmable function keys
- Speakerphone
- 2 x IEEE 802.3 10/100 Mbps switch
- Power over Ethernet
- Headset connection
- Expansion module with 42 programmable function keys
- SIP RFC3261
- Security: SIPS/SRTP, TLS
- STUN, ENUM, NAT, ICE
- Codecs: G.711, G.729A, G.723.1, G.722, G.726, GSM 6.10 (full rate)
- National Language Support

## Product Specification

### GENERAL FEATURES

- **Dimensions:** approx. 25 x 20 x 13 cm
- **Weight:** approx. 960 g
- **Safety:** IEC 60950-1:2001, CB Test Certificate: DE 2-008417
- **Certifications:** FCC Class B, CE Mark
- **Power consumption:** 2.2 – 2.5 watts

### CONNECTORS

- **1 x LAN, 1 x PC:** RJ45 (Ethernet)
- **Power:** 5 V DC
- **Ethernet:** 2 x IEEE 802.3 10/100 Mbps switch
- **Power over Ethernet:** IEEE 802.3af, Class 1
- **Handset:** RJ11 connector
- **Headset:** RJ11 connector
- **Expansion Module:** Proprietary Snom connector

### USER INTERFACE

- 128 x 64 pixels, tilttable graphical display, backlit
- 47 keys, 12 programmable function keys with LEDs (54 with the expansion module)
- Caller-ID
- Message waiting indication LED
- Address book (100 entries)
- Address book import/export

- Speed dialing
- Local dial plan
- Number guessing
- Lists of missed, received and dialed calls (100 entries each)
- Call waiting indication
- Clock, daylight saving, call-timer
- Call blocking (deny list)
- Blocking of anonymous calls
- Handling of up to 12 calls simultaneously
- Menu-driven user interface
- Ring tone selection, import of individual ring tones
- URL Dialing support
- National language support for selected languages (NLS)
- Do not disturb
- Speakerphone (full duplex)
- Auto answer mode
- Keyboard lock

## **CALL FEATURES**

- Hold
- Blind transfer, attended transfer
- Music-on-hold support (only via PBX)
- Divert
- Conferencing (3-way conference bridge on phone)
- Call park, call pickup (only via PBX)
- Call completion
- Client Matter Code (CMC)
- Call waiting/switching between calls
- Redialing
- RTP multicast paging
- Multiple audio device support

## **WEB SERVER**

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

## **SECURITY, QUALITY OF SERVICE**

- HTTPS (server/client)
- Transport Layer Security (TLS)
- SRTP (RFC3711), SIPS
- RTCP
- VLAN (802.1 pq)

## CODECS, AUDIO

- G.711 A-law,  $\mu$ -law
- G.729A, G.723.1, G.726
- GSM 6.10 (full rate)
- G.722
- Comfort noise, voice activity detection

## SIP

- RFC3261 compliance
- UDP, TCP and TLS
- Digest/basic authentication
- Loose routing and strict routing support
- PRACK (RFC3262)
- Error-information support
- 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)
- In-band DTMF/out-of-band DTMF/SIP INFO DTMF
- STUN client (NAT traversal)
- ENUM (RFC3261), NAPTR (RFC2915), rport (RFC3581), REFER (RFC3515)
- Event list subscription support (RFC4662)
- Bridged line appearance (BLA)
- Auto provisioning with PnP
- Presence/buddylist feature
- Busy lamp field support (BLF)
- Presence publishing

## INSTALLATION

- Automatic software update
- Automatic settings retrieval via HTTP/HTTPS/TFTP
- Installation via web interface
- Static IP provisioning, DHCP
- NTP

# Snom 370

## Product Features

- Tilttable, high-definition graphical display (240 x 128 Pixel)
- Large LED (red) for incoming calls
- 47 keys, 13 LEDs
- 12 programmable function keys
- Speakerphone
- Dual Ethernet connection
- Power over Ethernet
- Additional keypads with 42 programmable function keys
- SIP RFC3261
- Security: SIPS/SRTP, TLS
- STUN, ENUM, NAT, ICE
- Codecs: G.711, G.729A, G.723.1, G.722, G.726, GSM 6.10 (Full rate)
- National Language Support

## Product Specification

### GENERAL FEATURES

- **Dimensions:** approx. 25 x 20 x 13.5 cm
- **Weight:** approx. 1000 g
- **Safety:** IEC 60950-1:2001, CB Test Certificate: DE 2-008417
- **Certifications:** FCC Class B, CE Mark
- **Power consumption:** 2.6 – 2.8 watts

### CONNECTORS

- **1 x LAN, 1 x PC:** RJ45 (Ethernet)
- **Power:** 5 V DC
- **Ethernet:** 2 x IEEE 802.3 10/100 Mbps switch
- **Power over Ethernet:** IEEE 802.3af, Class 1
- **Handset:** RJ11 connector
- **Headset:** RJ11 connector
- **Expansion Module:** Proprietary snom connector

### USER INTERFACE

- 240 x 128 pixels, tilttable grayscale graphical display, backlit
- 47 keys, 12 programmable function keys with LEDs (54 with the expansion module)
- Call indication LED
- Caller-ID (with picture display)
- Message waiting indication LED
- Address book (250 entries)

- Address book import/export
- Speed dialing
- Local dial plan
- Number guessing
- Lists of missed, received and dialed calls (100 entries each)
- Call waiting indication
- Clock, daylight saving, call-timer
- Call blocking (deny list)
- Blocking of anonymous calls
- Handling of up to 12 calls simultaneously
- Menu-driven user interface
- Ring tone selection, import of individual ring tones
- URL Dialing support
- National language support for selected languages (NLS)
- Do not disturb
- Speakerphone (full duplex)
- Auto answer mode
- Keyboard lock

## **CALL FEATURES**

- Hold
- Blind transfer, attended transfer
- Music-on-hold support (only via PBX)
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- Conferencing (3-way conference bridge on phone)
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Email: [sales@dtasia.net](mailto:sales@dtasia.net)

Tel: +852 2517 0933

