

## D120



Power over Ethernet  
(PoE)



IPv6 & IPv4



Headset connectable



Security (TLS &  
SRTP)



Directory

### Specially developed for large deployments

The Snom D120 IP phone was designed especially for large deployments in hotels, clinics, educational institutions, public administration or in the healthcare sector. It feels at home wherever efficiency and low costs are important. Thanks to the highly visible LED backlit display, information about calls and functions can be easily monitored. For example, it is easy to

see (even from a distance) whether a call is in progress, has been missed or there are unheard voice messages. In addition to five preassigned function keys for simple and intuitive operation, four programmable context-sensitive keys are available for frequently used functions.

## Basics

- Product information
  - IP desk phone
  - PN 00004361
  - Colour: black
- Operating system: Linux
- Placement: indoor, desktop, wall mounting<sup>1</sup>

## Dimensions and weight

- Dimensions (L × W × H, approx.)
  - 205 mm × 161 mm × 32 mm without footstand
  - 205 mm × 161 mm × 120 mm with footstand
- Inclination: 35°

## Display and indicators

- Display
  - TFT liquid crystal display (LCD), monochrome, graphic, 4 lines, 3 lines for menus or context area, backlit
  - Size (diagonal): 2.6" (66 mm)
  - Size (W × H): 62 mm × 22 mm
  - Resolution: 132 × 64 pixel
- 3 LED indicators
  - Call status indication | Message waiting indication (MWI):<sup>2</sup> 1 red LED (360 °)
  - Function key status indication: 2 multicolour LEDs

## Keypad and function keys

- 32 hard keys in total
- 12 keys (standard ITU telephone keypad)
- 2-way navigation key
- 4 context-sensitive function keys
- 2 programmable function keys (with green LED)
- 5 dedicated audio keys
  - Mute
  - Headset
  - Speakerphone
  - Volume + / - (rocker)
- 7 dedicated function keys

- Ok, Cancel, DND, Message, Directory, Transfer, Hold
- Keyboard lock

## Audio devices, codecs and features

- Corded receiver
  - Hearing aid compatible (HAC)
- Speakerphone mode
- Audio codecs
  - G.711 (A-law,  $\mu$ -law), G.722, G.726, G.729AB, GSM 6.10 (FR)
- Dual-tone multi-frequency signalling (DTMF / RFC2833)
  - SIP-INFO, in-band, out-of-band
- Related features
  - Built-in assignable ringtones
  - Comfort Noise Generator (CNG)
  - Voice Activity Detection (VAD)

## Interfaces and connections

- D120 power options
  - [Power over Ethernet \(PoE\)](#)
    - IEEE 802.3af, class 1
  - Power adapter
    - 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W<sup>1</sup>
- Wired interfaces
  - Power adapter: coaxial power connector (socket)
  - Ethernet 10/100 Mbit/s: RJ45-8P8C socket
  - Corded receiver: RJ9-4P4C socket
  - Headset: RJ9-4P4C socket

## User interfaces and setup

- Configuration and setup via menu-driven web user interface (WUI)
  - Password-protected login
- Configuration and setup via menu-driven phone user interface (PUI)
- Automatic configuration via provisioning
  - Supported DHCP provisioning options
  - Secure Redirection And Provisioning Service (SRAPS) support
  - Remote management via TR-069
  - Plug & Play (PnP) support
- Customisation
  - XML browser
- Localization
  - Languages
  - Timezone, dial tone
- Diagnostic
  - SIP trace, PCAP trace, Syslog

## Directory support and call features

- 2 SIP identities / accounts
  - Up to 2 simultaneous calls
- Directory support
  - LDAP (server-based directory)
  - Local directory with up to 250 entries
- Outgoing call features
  - Speed dialling via function keys
  - URL dialling
  - Local dial plan
  - Redial (via dialed calls list)
  - Automatic redial on busy
  - Caller identification (CLIP)
  - Calling Line Identification Restriction (CLIR)
  - Call completion (busy/unreachable)<sup>2</sup>
  - Intercom
  - Multicast paging
- Incoming call features
  - Call waiting/swapping
  - Call barring/blocking: deny list, anonymous calls<sup>2</sup>, Do Not Disturb (DND) mode

- Auto answer
- Call diversion
- Connected call features
  - Mute microphone
  - Hold
  - Music on hold<sup>2</sup>
  - Blind call transfer
  - Attended call transfer
  - 3-way local conferencing
  - Call park / unpark<sup>2</sup>
- Related features
  - Call history lists of missed, received, dialed, rejected, and deflected calls
  - Extension monitoring (Busy lamp field), call pickup<sup>2</sup>

## Networking technologies and protocols

- VLAN (IEEE 802.1Q)
- VoIP related protocols and techniques
  - SIP (RFC 3261), SDP (RFC 3261), RTP (RFC 8866), RTCP (RFC 3550), RTCP-XR, SIP REFER method (RFC 3515), rport (RFC 3581), ENUM, ICE, STUN (RFC 5389)
- Secure VoIP protocols
  - SIPS (SIP over TLS), SRTP (RFC 3711), SRTCP
- Network protocols
  - IPv4 / IPv6 (dual stack), DHCP, NTP, LDAP, LLDP-MED, HTTP, TFTP
- Secure network protocols
  - TLS V1.2, HTTPS, IEEE 802.1X (EAPoL)
- Remote management protocols
  - TR-069, TR-069 Annex G (formerly TR-111)

## Interoperability

- Certified VoIP partner

## Environmental conditions

- Operating ambient temperature: 0 °C - 35 °C
- Nonoperating (storage) temperature: -10 °C - 45 °C
- Humidity (non-condensing): 5 % - 95 %

## Package contents

- Hardware
  - IP desk phone D120
  - Footstand
  - Corded receiver
  - Ethernet cable



10 W PSU



WM D120



A100D



A100M

- Documentation
  - Quick Installation Guide (QIG)
  - GNU General Public License

## Snom accessories and compatible devices

- Power adapter
  - [Snom 10W PSU \(PN 00004570\)](#)
- Wall mount kit
  - [WM D120 \(PN 00004113\)](#)
- Wired headset via RJ9-4P4C
  - Binaural: [A100D \(PN 00004342\)](#)
  - Monaural: [A100M \(PN 00004341\)](#)
- Third party headset support
  - [Please check compatibility list](#)

<sup>1</sup> Available separately

<sup>2</sup> If supported by PBX

## Disclaimer

Further information: [Snom website](#) | [Snom Service Hub](#) | [Type approval](#) | [Warranty information](#)

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