

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 D120 | black | PN 00004361 | EAN 4260059582230 | UPC 811819012234
 - Operating system: Linux
- Placement: Indoor, desktop, wall mounting¹

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, graphical, 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):² 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

- Casing speaker | Casing microphone
 - Speakerphone mode: Full duplex
- Corded handset
 - Microphone | Handset earpiece
 - Hearing aid compatible (HAC)
- Audio codecs
 - G.711 (A-law, μ -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

- 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 W¹
- Wired interfaces
 - Power adapter: coaxial power connector (socket)
 - Network connectivity: RJ45-8P8C socket → Ethernet 10/100 Mbit/s
 - Corded handset: RJ9-4P4C socket
 - Headset: RJ9-4P4C socket

User interfaces and setup

- [Configuration and setup via menu-driven web user interface \(WUI\)](#)
- [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](#)
- Localisation
 - [Languages](#)
 - Time zone, dial tone
- Diagnostic
 - SIP / 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 \(via dialled calls list\)](#)
 - [Automatic redial on busy](#)
 - [Caller identification \(CLIP\)](#)
 - [Calling Line Identification Restriction \(CLIR\)](#)
 - [Call completion \(busy/unreachable\)²](#)
 - [Intercom](#)
 - [Multicast paging](#)
- Incoming call features
 - [Call waiting/swapping](#)
 - **Call barring / blocking**: deny list, anonymous calls², Do Not Disturb (DND) mode
 - [Auto answer](#)
 - [Call diversion](#)
- Connected call features
 - [Mute microphone](#)
 - [Hold](#)
 - [Music on hold²](#)
 - [Blind call transfer](#)
 - [Attended call transfer](#)
 - [3-way \(2+1\) local conferencing](#)
 - [Call park / unpark²](#)
- Related features
 - [Call history lists of missed, received, dialed, rejected, and deflected calls](#)
 - [Extension monitoring \(Busy lamp field\), call pickup²](#)

Networking technologies and protocols

- VLAN (IEEE 802.1q)
- VoIP related protocols and techniques
 - SIP, SDP, RTP, RTCP, RTCP-XR, SIP REFER method (RFC 3515), rport (RFC 3581), ENUM, ICE, STUN
- Secure VoIP protocols
 - SIPS (SIP over TLS), SRTP, 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)

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 handset
 - Ethernet cable
- Documentation
 - **Quick Installation Guide**
 - **General Public License (GNU)**

Interoperability



Snom accessories

- Power adapter Snom 10W PSU (PN 00004570)
- Wall mount kit D120 WM (PN 00004113)



Snom spare parts

- Handset D120 HS (PN 00004519)



Compatible Snom devices

- Wired headset via RJ9-4P4C
 - Monaural: A100M (PN 00004341)
 - Monaural: A310M (PN 00004624)
 - Binaural: A310D (PN 00004626)



Series overview



D120



D140



D150

¹ Available separately

² If supported by PBX

Disclaimer

Further information: [D120 webpage](#) | [Snom Service Hub D120](#) | [Quick Installation Guide D120](#) | [User manual D120](#) | [General Public License \(GNU\)](#) | [Type approval](#) | [Warranty information](#) | [Company locations](#)

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