

## D140



Power over  
Ethernet (PoE)



IPv6 & IPv4



Headset  
connectable



Security (TLS  
& SRTP)



SmartLabel



HD audio



OpenVPN

## The ideal entry-level device for your daily office life

The D140 is suitable for all work environments in which cost-effective but high-quality communication is required. The device, equipped with slate grey housing, offers all the important telephony functions. Two freely programmable SmartLabel keys, six dedicated and four

context-sensitive function keys are available for simple and intuitive operation. The D140 is ideal for large installations, e.g. in public administrations.

## Basics

- Product information
  - IP desk phone D140 | slate gray | PN 00004651
  - Operating system: Linux
- Placement: Indoor, desktop, wall mounting

## Dimensions and weight

- Dimensions (L × W × H, approx.) without footstand
  - 205 mm × 185 mm × 40 mm
- Dimensions (H × W × D, approx.) with footstand
  - 205 mm × 185 mm × 220 mm (high angle 46°)
  - 205 mm × 185 mm × 200 mm (low angle 28°)
- Weight (approx.):
  - 710 g without footstand
  - 830 g with footstand

## Display and indicators

- Display
  - TFT liquid crystal display (LCD), graphical, grayscale, backlit
  - Size (diagonal): 2.8" (67 mm)
  - Size (W × H): 59 mm × 33 mm
  - Resolution: 320 × 240 pixel
- 3 LED indicators
  - Call status indication: 1 red LED
  - Function key status indication: 2 multicolour LEDs

## Keypad and function keys

- 36 hard keys in total
  - 12 keys (standard ITU telephone keypad)
  - 4 context-sensitive function keys
  - 5-way navigation key

- 2 SmartLabel keys (with multicolour LED)
- 5 dedicated audio keys
  - Mute
  - Speakerphone
  - Headset
  - Volume + / - (rocker)
- 8 dedicated function keys
  - Ok
  - Cancel
  - DND
  - Message
  - Directory
  - Menu
  - Transfer
  - Hold
- Keyboard lock

## Interfaces and connections

- Power options
  - [Power over Ethernet \(PoE\)](#)
    - IEEE 802.3af, class 1 | IEEE 802.3az<sup>3</sup>
  - Power adapter<sup>1</sup>
    - 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W
- Wired interfaces
  - Power adapter:<sup>1</sup> coaxial power connector (socket)
  - Network connectivity: 2 × RJ45-8P8C sockets → Ethernet 10/100 Mbit/s
  - Corded handset: RJ9-4P4C socket
  - Headset:<sup>1</sup> RJ9-4P4C socket
  - [EHS adapter](#):<sup>1</sup> RJ12-6P6C (EHS) socket
- Sensors
  - Hook switch sensor

## Audio devices, codecs and features

- Casing microphone | Casing speaker
  - Speakerphone mode: Full duplex
- Corded handset  
Microphone | Handset earpiece  
Hearing aid compatible (HAC)
- Audio codecs
  - G.711 (A-law,  $\mu$ -law), G.722, G.726, G.729, G.729A, 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)

## Networking technologies and protocols

- Network technologies
  - OpenVPN, 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, L2TP
- Secure network protocols
  - TLS V1.2, HTTPS, IEEE 802.1X (EAPoL)
- Remote management protocols
  - TR-069, TR-069 Annex G (formerly TR-111), TR-369 (USP)

## 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 1,000 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)<sup>2</sup>
  - Intercom
  - Multicast paging
- Incoming call features
  - Call waiting/swapping
  - **Call barring / blocking:** deny list, anonymous calls, Do Not Disturb (DND) mode
  - Auto answer
  - Call diversion
  - Call deflection
- Connected call features
  - Mute microphone
  - Hold
  - Music on hold<sup>2</sup>
  - Blind call transfer
  - Attended call transfer
  - 3-way (2+1) local conferencing
  - Call park / unpark<sup>2</sup>
  - Client Matter Code (CMC)<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>

## User interfaces and setup

- Configuration and setup via menu-driven web user interface (WUI)
  - Password-protected login
  - Secure web server/client (HTTPS)
- Configuration and setup via menu-driven phone user interface (PUI)
- Customisation: XML browser
- Automatic configuration via provisioning
  - Loading of settings and firmware via HTTP, HTTPS, TFTP
  - Supported DHCP provisioning options 66 / 67
  - Secure Redirection And Provisioning Service (SRAPS) support
  - Plug & Play (PnP) support
  - Remote management via TR-069 / TR-069 Annex G (TR-111) / TR-369 (USP)
- Localisation
  - Languages
  - Time zone, dial tone
- Diagnostic:
  - SIP / PCAP trace
  - Syslog

## Power consumption

- Full mode power consumption<sup>4</sup>
  - Power adapter (Efficiency 80 %): 1.47 W
  - Power over Ethernet (PoE): 2.5 W
- Idle mode power consumption<sup>5</sup>
  - Power adapter (Efficiency 80 %): 0.8 W
  - Power over Ethernet (PoE): 1.6 W

## 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 D140
  - Footstand
  - Corded handset
  - Ethernet cable
- Documentation
  - **Quick Installation Guide**
  - **General Public License (GNU)**

## Snom accessories and compatible devices

- PoE injector
  - A5E (PN 00004679)
- Power adapter
  - Snom 10 W PSU (PN 00004570)
- EHS adapter
  - EHS Advanced 2.0 (PN 00002362)
- Wired headset via RJ9-4P4C
  - Monaural: A100M (PN 00004341), A310M (PN 00004624)
  - Binaural: A310D (PN 00004626)
- DECT headset via RJ9-4P4C
  - A170 (PN 00004387)
- Third party headset support
  - Please check compatibility list



A5E



10 W PSU



EHS 2.0



A100M



A170C



A310M



A310D

- <sup>1</sup> Available separately
- <sup>2</sup> If supported by PBX
- <sup>3</sup> Optional via software

- <sup>4</sup> Hardware: R1B | Network traffic (PC) 100 Mbit/s, registered phone, active speakerphone call, maximum volume, backlight level 11
- <sup>5</sup> Hardware: R1B | PC port disconnected, registered phone, idle mode, backlight off

## Series overview



D120



D140



D150

## Interoperability



## Disclaimer

Further information: [D140 webpage](#) | [Snom Service Hub D140](#) | [Quick Installation Guide D140](#) | [User manual D140](#) | [Short User Manual D140](#) | [Type approval](#) | [Warranty information](#) | [Company locations](#)

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