D140



Power over Ethernet (PoE)

IPv6 & IPv4

Headset connectable

Security (TLS & SRTP)

SmartLabel

HD audio

OpenVPN

D140 - 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.

Technical specification

Basics

- Product information
  - IP desk phone
  - PN 00004651
  - Colour: slate gray
  - Operating system: Linux
- Placement: indoor, desktop, wall mounting[1]

Dimensions and weight

- Dimensions (L × W × H, approx.) without footstand
  - 205 mm × 185 mm × 40 mm
- Dimensions (H x W x 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)
- 6 dedicated function keys
  - Ok, Cancel, DND, Message (with red LED), Directory, Menu, Transfer, Hold
- Keyboard lock

Audio devices, codecs and features

- Corded receiver:
  - Hearing aid compatible (HAC)
- Audio codecs
  - G.711 (A-law, µ-law), G.722, G.726, G.729, 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 | IEEE 802.3az[3]
  - Power adapter[1]
    - 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W
- Wired interfaces
  - Power adapter:[1] coaxial power connector (socket)
  - Ethernet 10/100 Mbit/s: 2 × RJ45-8P8C sockets
  - Corded receiver: RJ9-4P4C socket
  - Headset:[1] RJ9-4P4C socket
  - EHS adapter:[1] RJ12-6P6C (EHS) socket
- Sensors
  - Hook switch sensor

Technical specification

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)
- Localization
  - Languages
  - Timezone, dial tone
- Diagnostic: SIP trace, PCAP trace, Syslog

Networking technologies and protocols

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

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 dialed 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 calls, Do Not Disturb (DND) mode
  - Auto answer
  - Call diversion
- Connected call features
  - Mute microphone
  - Hold
  - Music on hold[2]
  - Blind call transfer
  - Attended call transfer
  - 3-way local conferencing
  - Call park / unpark[2]
  - Client Matter Code (CMC)[2]
- Related features
  - Call history lists of missed, received, dialed, rejected, and deflected calls
  - Extension monitoring (Busy lamp field), call pickup[2]

Technical specification

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 D140
  - Footstand
  - Corded receiver
  - Ethernet cable
- Documentation
  - Quick Installation Guide (QIG)
  - GNU General Public License

Snom accessories and compatible devices

- 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)
  - Binaural: A100D (PN 00004342)
- DECT headset via RJ9-4P4C
  - A170 (PN 00004387)
- Third party headset support
  - Please check compatibility list



10 W PSU



EHS 2.0



A100D



A100M



A170

[1] Available separately
[2] If supported by PBX
[3] Optional via software

Series overview



D120



D140



D150