D150



Power over Ethernet (PoE)

Gigabit Ethernet

IPv6 & IPv4

Headset connectable

Security (TLS & SRTP)

SmartLabel

HD audio

OpenVPN

D150 – for more comfort in your daily work

Finished in slate grey and with an uncluttered design, the D150 fits perfectly into any work environment where phone communication is paramount. It combines the latest technology and the best voice quality at an unbeatable price. The D150 feels at home wherever efficiency and optimum costs are required. The highly visible, backlit LED display makes it easy to monitor information on calls and features. The D150 is equipped with a gigabit switch with PoE support and an RJ9 headset port.

Technical specification

Basics

- Product information
  - IP desk phone
  - PN 00004652
  - 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 1 Gbit/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 D150
  - 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