

D150



Power over
Ethernet
(PoE)



Gigabit
Ethernet



IPv6 & IPv4



Headset
connectable



Security (TLS
& SRTP)



SmartLabel



HD audio



OpenVPN

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 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.

Basics

- Product information
 - IP desk phone D150 | slate gray | PN 00004652
 - 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
 - DND
 - Ok
 - Cancel
 - Message
 - Directory
 - Menu
 - Transfer
 - Hold
- Keyboard lock

Interfaces and connections

- Power options
 - [Power over Ethernet \(PoE\)](#)
 - IEEE 802.3af, class 1 | IEEE 802.3az³
 - Power adapter¹
 - 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W
- Wired interfaces
 - Power adapter:¹ coaxial power connector (socket)
 - Network connectivity: 2 × RJ45-8P8C (NET/PC) sockets → Gigabit Ethernet (GbE)
 - Corded handset: RJ9-4P4C socket
 - Headset:¹ RJ9-4P4C socket
 - [EHS adapter](#):¹ 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, μ -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 \(busy/unreachable\)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](#)
 - [Call deflection](#)
- Connected call features
 - Mute microphone
 - Hold
 - Music on hold²
 - [Blind call transfer](#)
 - [Attended call transfer](#)
 - 3-way (2+1) local conferencing
 - Call park / unpark²
 - Client Matter Code (CMC)²
- Related features
 - Call history lists of missed, received, dialed, rejected, and deflected calls
 - [Extension monitoring \(Busy lamp field\)](#), [call pickup²](#)

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

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
 - Corded handset
 - Footstand
 - 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
 - Binaural: [A310D \(PN 00004626\)](#)
 - Monaural: [A100M \(PN 00004341\)](#), [A310M \(PN 00004624\)](#)
- DECT headset via RJ9
 - [A170C \(PN 00004733\)](#)



A5E



10 W PSU



EHS 2.0



A170C



A100M



A310M



A310D

¹ Available separately

² If supported by PBX

³ Optional via software

Interoperability



Series overview



D120



D140



D150

Disclaimer

Further information: [D150 webpage](#) | [Snom Service Hub D150](#) | [Quick Installation Guide D150](#) | [User manual D150](#) | [Short User Manual D150](#) | [General Public License \(GNU\)](#) | [Type approval](#) | [Warranty information](#) | [Company locations](#)

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