

# D810W



Power over Ethernet (PoE)



Wi-Fi



USB port



Anti-bacterial housing



Expansion module connectable



HD audio



SmartLabel



Security (TLS & SRTP)

## Compact design meets full connectivity for modern workplaces

The Snom D810W is the smart entry into professional IP telephony. Its colour display and built-in Wi-Fi offer modern usability out of the box. With industry-standard security features, USB port, wear-free electronic hook

switch sensor, and support for expansion modules, it's built for reliability and scalability. Ideal for teams seeking a cost-effective yet future-ready desk phone.

## Basics

- Product information
  - IP desk phone D810W | gunmetal black | PN 00004737
  - Anti-bacterial housing
  - Operating system: Linux
- Placement
  - Indoor, desktop, wall mounting<sup>1</sup>

## Dimensions and weight

- Dimensions (L × W × H, approx.)
  - 210 mm × 200 mm × 45 mm without footstand
  - 190 mm × 200 mm × 165 mm with footstand (high angle 46°)
  - 190 mm × 200 mm × 140 mm with footstand (low angle 28°)
- Weight (approx.)
  - 0.7 kg with footstand

## Display and indicators

- Display
  - TFT liquid crystal display (LCD): IPS panel, true colour, backlit
  - Size (diagonal): 3.36" (85 mm)
  - Size (W × H): 68 mm × 50 mm
  - Resolution: 320 × 240 pixel
- 5 LED indicators
  - Call status indication: 1 red LED
  - Function key status indication: 4 multicolour LEDs

## Keypad and function keys

- 35 hard keys in total
  - 12 keys (standard ITU telephone keypad)
  - 5-way navigation key
  - 4 context-sensitive function keys
  - Programmable function keys:
    - 4 SmartLabel keys (with multicolour LED)
    - Key mapping of up to 16 functions (4 keys × 4 pages)
  - 5 dedicated audio keys
    - Mute

- Speakerphone
- Headset
  - Volume + / - (rocker)
- 5 dedicated function keys
  - Message
  - Redial
  - Transfer
  - Hold
  - Cancel
- Keyboard lock
- Expansion module connection via USB port for up to 3 × D8C<sup>1</sup>

## Audio devices, codecs and features

- Casing microphone | Casing speaker
  - Frequency range: 100 Hz - 8.0 kHz
  - Speakerphone mode: Full duplex, HD audio, Acoustic Echo Cancellation (AEC)
- Corded handset
  - Microphone | Handset earpiece
  - Frequency range: 150 Hz - 8.0 kHz
  - Noise cancellation, HD audio, Hearing aid compatible (HAC)
- Audio codecs
  - G.711 (A-law,  $\mu$ -law), G.722, G.723.1, G.726, G.729AB, GSM6.10 (FR), Opus
- Dual-tone multi-frequency signalling (DTMF / RFC2833):
  - SIP-INFO, in-band, out-of-band
- Related features
  - Comfort Noise Generator (CNG)
  - Voice Activity Detection (VAD)
  - Audio response time
  - Adaptive jitter buffer
  - Packet loss concealment (PLC)

## Interfaces and connections

- Power options
  - [Power over Ethernet \(PoE\)](#)
    - IEEE 802.3af, class 3 | 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<sup>1</sup>
- Wired interfaces
  - Power adapter: coaxial power connector (socket)
  - Network connectivity: 2 × RJ45-8P8C sockets (*NET, PC*) → Gigabit Ethernet (GbE)
  - USB connectivity: USB 2.0 type A port
  - Corded handset: RJ9-4P4C socket
  - Headset: RJ9-4P4C socket
  - [EHS adapter](#):<sup>1</sup> RJ12-6P6C socket (*EHS*)
- Wireless interfaces
  - Network connectivity: Wireless LAN
- Sensors
  - Hook switch sensor

## 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 \(PUI\)](#)
- [Automatic configuration via provisioning](#)
  - Loading of settings and firmware via HTTP, HTTPS, TFTP
  - Supported DHCP provisioning options 43 / 60 / 66 / 67
  - [Secure Redirection And Provisioning Service \(SRAPS\)](#) support
  - [Remote management via TR-069 / TR-069 Annex G \(TR-111\) / TR-369](#)
  - Plug & Play (PnP) support
- Localization
  - [Languages](#)
  - Time zone, dial tone

- Diagnostic
  - SIP / PCAP trace
  - Syslog
- Related features
  - Dual firmware partition

## Networking technologies and protocols

- Wireless LAN
  - Frequency band (2G): 2,400.0 - 2,483.5 MHz
    - IEEE 802.11b (Wi-Fi 2): up to 11 Mbps
    - IEEE 802.11g (Wi-Fi 3): up to 54 Mbps
    - IEEE 802.11n (Wi-Fi 4): up to 150 Mbps
  - Frequency band (5G): Europe: 5,150 - 5,153 MHz and 5,470 - 5,725 MHz
    - IEEE 802.11a (Wi-Fi 1): up to 54 Mbps
    - IEEE 802.11n (Wi-Fi 4): up to 150 Mbps
    - IEEE 802.11ac (Wi-Fi 5): up to 433 Mbps
  - WLAN encryption
    - WPA-PSK / WPA2-PSK, WPA / WPA2, WEP
  - Wireless range (approx.)
    - Up to 250 m outdoor range
- 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

- 12 SIP identities / accounts
  - Up to 12 simultaneous calls
- Directory support
  - LDAP (server-based directory)
  - Local directory with up to 1,000 entries
- Outgoing call features
  - Speed dialling via function keys
  - Speed dialling
  - 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)<sup>2</sup>
  - Intercom
  - Multicast paging
- Incoming call features
  - Call waiting/swapping
  - Auto answer
  - **Call barring / blocking:** deny list, anonymous calls, Do Not Disturb (DND) mode
  - 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>

## Interoperability

- Interoperable with all major IP-PBX platforms
- Certified VoIP partner

## Package contents

- Hardware
  - IP desk phone D810W
  - Corded handset
  - Footstand
  - Ethernet cable: 1.5 m
- Documentation
  - **Safety instructions**

## Environmental conditions

- Operating ambient temperature:
  - 0 °C - +35 °C
- Nonoperating (storage) temperature:
  - -10 °C - +45 °C
- Humidity (non-condensing):
  - 5 % - 95 %

## Snom accessories and compatible devices

- PoE injector
  - A5E (PN 00004079)
- Power adapter
  - Snom 10W PSU (PN 00004570)
- Wall mount kit
  - D8xx WM (PN 00004544)
- Corded wideband handset
  - D8xx WB handset (PN 00004561)
- **DECT USB dongle**
  - A230 (PN 00004386)
- EHS adapter
  - EHS Advanced 2.0 (PN 00002362)
- Expansion module
  - D8C (PN 00004562)
- DECT headset viaRJ9+EHS / USB
  - A170C (PN 00004733)
- Wired headset via RJ9
  - Monaural: A100M (PN 00004341), A310M (PN 00004624)
  - Binaural: A310M (PN 00004624)
- Wired headset via USB
  - Binaural: A330D (PN 00004598)
  - Monaural: A330M (PN 00004597)
- BT headset via Bluetooth dongle
  - A350M (PN 00004658)



A5E



10 W PSU



A230



EHS 2.0



D8C



A170C



A100M



A310M



A310D



A330M



A330D



A350M

<sup>1</sup> Available separately

<sup>2</sup> If supported by PBX

## Series overview



D810W



D812



D815W / WB



D862



D865



D892M



D8C

## Disclaimer

Further information: [Snom D810W webpage](#) | [Snom Service Hub D810W](#) | [Safety instructions D810W](#) | [Short User Manual D810W](#) | [Type approval](#) | [Warranty information](#) | [Company locations](#)

Snom, the names of Snom products, and Snom logos are trademarks owned by Snom Technology GmbH. All product specifications are subject to change without notification. Snom Technology GmbH reserves the right to revise and change this document at any time, without being obliged to announce such revisions or changes beforehand or after the fact. Although due care has been taken in the compilation and presentation of the information in this document, the data upon which it is based may have changed in the meantime. Snom therefore disclaims all warranties and liability for the accurateness, completeness, and currentness of the information published, except in the case of intention or gross negligence on the part of Snom or where liability arises due to binding legal provisions.