

# 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, EAN 4262377561423, UPC 810100351427 | white → PN 00004792, EAN 4262377562062, UPC 810100352066
  - Operating system: Linux
  - Anti-bacterial housing
- 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>

## 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: WiFi
- Sensors
  - Hook switch sensor

## 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)

## 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

- Localisation
  - [Languages](#)
  - Time zone, dial tone
- Diagnostic
  - SIP / PCAP trace
  - Syslog
- Related features
  - Dual firmware partition

## Networking technologies and protocols

- WiFi
  - 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 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
  - 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>

## 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 %

<sup>1</sup> Available separately

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

## Snom accessories

- PoE injector A5E (PN 00004079)
- Power adapter Snom 10W PSU (PN 00004570)
- **Wall mount kit** D810 WMK (PN 00004725)
- Corded wideband handset D8xx WB handset (PN 00004561)



- DECT headset via RJ9+EHS/USB A170C (PN 00004733)
- Wired headset via RJ9
  - Monaural: A100M (PN 00004341)
  - Monaural: A310M (PN 00004624)
  - Binaural: A310D (PN 00004626)



## Compatible Snom devices

- Expansion module D8C (PN 00004562, PN 00004794)
- EHS adapter EHS Advanced 2.0 (PN 00002362)
- USB dongle
  - WiFi A210 (PN 00004384)
  - Bluetooth: A220 (PN 00004648)
  - DECT A230 (PN 00004386)



- Wired headset via USB
  - Monaural: A330M (PN 00004597)
  - Binaural: A330D (PN 00004598)
- BT headset via Bluetooth dongle
  - Monaural: A350M (PN 00004658)
  - Binaural: A350D (PN 00004795)
- Wireless conference speakerphone (USB) C300 (PN 00004584)



## Interoperability



## Series overview



D8C



D810W



D812



D815W



D815WB



D862



D865



D892M



D895M

## Disclaimer

[Further information: D810W webpage](#) | [Snom Service Hub D810W](#) | [Safety instructions D810W](#) | [Short User Manual D810W](#) | [Short User Manual D810 WMK](#) | [Type approval](#) | [Warranty information](#) | [Company locations](#)

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