

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 mounting¹

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 × D8C¹

Interfaces and connections

- Power options
 - [Power over Ethernet \(PoE\)](#)
 - IEEE 802.3af, class 3 | IEEE 802.3az³
 - Power adapter¹
 - 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W¹
- 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](#):¹ 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, μ -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 \(busy/unreachable\)²](#)
 - [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 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](#)

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 %

¹ Available separately

² 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)



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)



- 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)
- 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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