D815W



WLAN

USB port

Expansion module connectable

Anti-bacterial housing

HD audio

SmartLabel

Security (TLS & SRTP)

OpenVPN

Stylish and powerful: the Snom D815W

The Snom D815W is the next larger model in the D8xx series and is an excellent option for everyday use in any office environment. With its elegant design, 2 USB ports, integrated WLAN and a total of 10 SmartLabel keys, it offers a wide range of possibilities. The outstanding feature of the D815W is its large 5-inch display, which enables good presentation and clarity. The audio quality meets the high standards that apply to all Snom IP devices. The Snom D815W thus combines an elegant design and first-class performance at an unbeatable price.

SPEED TECHNOLOGY®
An ISO 9001 : 2015 Certified Company

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Basics

- Product information
  - IP desk phone D815W | gunmetal black | PN 00004691
  - Anti-bacterial housing
  - Operating system: Linux
- Placement
  - indoor, desktop, wall mounting[1]

Dimensions and weight

- Dimensions (L × W × H, approx.)
  - 210 mm × 243 mm × 45 mmwithout footstand
  - 193 mm × 243 mm × 165 mmwith footstand
- Weight (approx.)
  - 1.12 kgwith footstand

Display and indicators

- Display
  - TFT liquid crystal display (LCD):IPS panel, true colour, backlit
  - Size (diagonal): 5.0″ (127 mm)
  - Size (W × H): 110 mm × 62 mm
  - Resolution: 480 × 272 pixel
- 15 LED indicators
  - Call status indication: 1 red LED
  - Message waiting indication (MWI): 1 red LED
  - Function key status indication: 10 multicolour LEDs
  - Audio key status indication: 3 LEDs (1 red / 2 green)

Keypad and function keys

- 43 hard keys in total
  - 12 keys (standard ITU telephone keypad)
  - 5-way navigation key
  - 4 context-sensitive function keys
  - Programmable function keys
    - 10 SmartLabel keys (with multicolour LED)
    - Key mapping of up to 40 functions (10 keys × 4 pages)
  - 5 dedicated audio keys
    - Mute (with red LED)
    - Speakerphone(with green LED)
    - Headset (with green LED)
    - Volume + / - (rocker)
  - 7 dedicated function keys
    - Cancel
    - Message (with red LED)
    - Directory
    - Transfer
    - Hold
    - Conference
    - Redial
- Keyboard lock
- Expansion module connection via USB port for up to 3 × D8C[1]

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)

Technical specification

Interfaces and connections

- Power options
  - Power over Ethernet (PoE)
    - IEEE 802.3af, class 3 | IEEE 802.3az[3]
  - Power adapter[1]
    - 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W[1]
- Wired interfaces
  - Power adapter: coaxial power connector (socket)
  - Network connectivity: 2 × RJ45-8P8C sockets *(NET, PC)*→ Gigabit Ethernet (GbE)
  - USB connectivity: 2 × USB 2.0 type A ports
  - Corded handset: RJ9-4P4C socket
  - Headset: RJ9-4P4C socket
  - EHS adapter:[1] RJ12-6P6C socket
- Wireless interfaces
  - Third party headset support
    - DECT: optional via A230[1]
  - 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
  - Local call recording via USB
  - Dual firmware partition

Networking technologies and protocols

- Network technologies
  - OpenVPN, VLAN (IEEE 802.1q)
  - Wireless LAN: IEEE 802.11n (Wi-Fi 4), IEEE 802.11ac (Wi-Fi 5)
- 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)

Technical specification

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 2,000 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
  - Auto answer
  - Call diversion
  - Call barring/blocking: deny list, anonymous calls, Do Not Disturb (DND) mode
- Connected call features
  - Mute microphone
  - Hold
  - Music on hold[2]
  - Blind call transfer
  - Attended call transfer
  - 3way (option for 5 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]

Package contents

- Hardware
  - IP desk phone D815
  - Corded handset
  - Footstand
  - Ethernet cable: 1.5 m
- Documentation
  - Quick Installation Guide
  - GNU General Public License

Interoperability

- Certified VoIP partner

Technical specification

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

- Power adapter
  - Snom 10 W PSU (PN 00004570)
- Wall mount kit
  - D8xx WM (PN 00004544)
- Corded wideband receiver
  - D8xx WB handset (PN 00004561)
- USB dongle
  - DECT:A230 (PN 00004386)
- EHS adapter
  - EHS Advanced 2.0 (PN 00002362)
- Wired headset via RJ9
  - Binaural: A100D (PN 00004342), A310D (PN 00004626)
  - Monaural: A100M (PN 00004341), A310M (PN 00004624)
- Wired headset via USB
  - Binaural: A330D (PN 00004598)
  - Monaural: A330M (PN 00004597)
- DECT headset via RJ9
  - A170 (PN 00004387)
- DECT headset via USB (DECT)
  - A150 (PN 00004388)
- Wireless conference speakerphone (USB)
  - C300 (PN 00004584)
- Expansion module
  - D8C (PN 00004562)


10 W PSU


A230


EHS 2.0


A100D


A100M


A310D


A310M


A330D


A330M


A170


A150

[1] Available separately

[2] If supported by PBX

[3] Optional via software

Series overview


D812


D815


D862


D865


D8C