

# D715



USB port



Power over Ethernet (PoE)



Gigabit Ethernet



IPv6 & IPv4



Expansion module connectable



Headset connectable



Security (TLS & SRTP)



HD audio

## Professional HD audio IP desk phone with integrated USB and Gigabit Ethernet connection

The D715 is technologically future-proof with a Gigabit Ethernet switch. The integrated USB connection can be used for USB headsets, the D7 expansion module and the connection of WiFi devices using a USB stick. The D715, which can be ordered in black and white, has a multi-line B / W graphic

display which, together with context-sensitive function keys, allows intuitive operation of the user interface. 5 LED function keys can be programmed individually and flexibly with numerous telephone functions such as speed dialing, extensions or presence display.

## Product variants



D715 | black | PN 00004039



D715 | white | PN 00004381

### Basics

- Product information
  - IP desk phone
  - 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
  - 220 mm × 185 mm × 205 mm (high angle 46°)
  - 200 mm × 185 mm × 205 mm (low angle 28°)
- Weight (approx.):
  - 560 g with footstand
  - 440 g without footstand

### Display and indicators

- Display
  - LCD: monochrome, graphical, 4 lines, backlit
  - Size (diagonal): 3.2" (82 mm)
  - Size (W × H): 78 mm × 26 mm
  - Resolution: 128 × 48 pixel
- 10 LED indicators
  - Call status indication: 1 red LED
  - Message waiting indication (MWI): 1 red LED
  - Function key status indication: 5 green LEDs
  - Audio key status indication: 3 LEDs (1 red / 2 green)

### Keypad and function keys

- 33 hard keys in total
- 12 keys (standard ITU telephone keypad)
- 4-way navigation key
- 4 context-sensitive function keys
- 3 programmable function keys (with green LED)
- 5 dedicated audio keys
  - Mute (with red LED)
  - Speakerphone (with green LED)
  - Headset (with green LED)
  - Volume + / - (rocker)
- 3 dedicated function keys
  - Ok
  - Cancel
  - Message (with red LED)
- [Expansion module connection via USB port for up to 3 × D7 / D7C<sup>1</sup>](#)
- Keyboard lock

## Audio devices, codecs and features

- Corded receiver
  - Hearing aid compatible (HAC)
- Speakerphone mode
  - HD audio
- Audio codecs
  - G.711 (A-law,  $\mu$ -law), G.722, G.726, G.729, 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)

## 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 66 / 67
  - Secure Redirection And Provisioning Service (SRAPS) support
  - Plug & Play (PnP) support
  - Remote management via TR-069 / TR-069 Annex G (TR-111)
- Customisation
  - XML browser
- Localization
  - Languages
  - Timezone, dial tone
- Diagnostic
  - SIP trace, PCAP trace, Syslog

## Interfaces and connections

- D715 power options
  - Power over Ethernet (PoE)
    - IEEE 802.3af, class 3
  - Power adapter<sup>1</sup>
    - 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W
- Wired interfaces
  - Power adapter:<sup>1</sup> coaxial power connector (socket)
  - Ethernet 1 Gbit/s: 2 × RJ45-8P8C sockets
  - USB headsets and other accessories:<sup>1</sup> USB 2.0 type A port
  - Corded receiver: RJ9-4P4C socket
  - Headset:<sup>1</sup> RJ9-4P4C socket
  - EHS adapter:<sup>1</sup> proprietary 4-pin socket (EHS)
- Wireless interfaces
  - WLAN: optional via A210<sup>1</sup>
- Sensors
  - Hook switch sensor

## Networking technologies and protocols

- Network technologies
  - OpenVPN, VLAN (IEEE 802.1Q)
- VoIP related protocols and techniques
  - SIP (RFC 3261), SDP (RFC 3261), RTP (RFC 8866), RTCP (RFC 3550), RTCP-XR, SIP REFER method (RFC 3515), rport (RFC 3581), ENUM, ICE, RFC2833, STUN (RFC 5389)
- Secure VoIP protocols
  - SIPS (SIP over TLS), SRTP (RFC 3711), 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)

## Interoperability

- Certified VoIP partner

## Directory support and call features

- 4 SIP identities / accounts
  - Up to 4 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 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
  - Call barring/blocking: deny list, anonymous calls, Do Not Disturb (DND) mode
  - Auto answer
  - Call diversion
- Connected call features
  - Mute microphone
  - Hold
  - Music on hold<sup>2</sup>
  - Blind call transfer
  - Attended call transfer
  - 3-way 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>

## 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 D715
  - Footstand
  - Corded receiver
  - Ethernet cable
- Documentation
  - Quick Installation Guide (QIG)
  - GNU General Public License

## Snom accessories and compatible devices

- Power adapter
  - Snom 10 W PSU (PN 00004570)
- USB dongle
  - WLAN: A210 (PN 00004384)
  - DECT: A230 (PN 00004386)
- EHS adapter
  - EHS Advanced 2.0 (PN 00004343)
- Wired headset via RJ9
  - Binaural: A100D (PN 00004342)
  - Monaural: A100M (PN 00004341)
- 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)
- Expansion module
  - D7 (PN 00004011, 00004382)
  - D7C (PN 00004467)
- Wireless conference speakerphone (USB)
  - C300 (PN 00004584)

## Snom accessories and compatible devices



10 W PSU



A210



A230



EHS 2.0



D7



D7C



C300



A100D



A100M



A330D



A330M



A170



A150

<sup>1</sup> Available separately

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

## Series overview



D713



D715



D717



D735



D785 / D785N



D7



D7C

## Disclaimer

Further information : [Snom website](#) | [Snom Service Hub](#) | [Type approval](#) | [Warranty information](#)

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