D865



- Large tiltable 5" IPS colour display
- 2 USB 2.0 high speed connections
- Dual-band WiFi and integrated BT 5.0
- 10 programmable function keys
- Optimized noise reduction

Bluetooth | USB port | Security (TLS & SRTP) | OpenVPN | WLAN | HD audio

D865 - Our Allrounder

The D865 is a true all-rounder - perfect for those who work intensively with their phone. The 40° continuously adjustable LC display has crystal-clear colours and blends perfectly into any office environment, regardless of lighting conditions. The HD audio voice quality featuring advanced noise reduction is simply outstanding. It is also hearing aid compatible, has integrated Bluetooth & WLAN, and furthermore, you can connect a DECT headset via dongle.
The D865 is not only well designed, but also very well thought-out - no matter what the environment!

Basics

- Operating system Linux
- 3-year warranty
- Colour, gunmetal black
- Wall mountable[1]
- Product numbers
  - D865 | EU & UK | PN 00004536
  - D865 | Americas | PN 00004546

Dimensions and weight

- Dimensions (D x W x H, approx.)
  - 45 mm x 243 mm x 210 mm w/o footstand
  - 165 mm x 243 mm x 193 mm with footstand
- Weight (approx.)
  - 1,12 kg with footstand

Display and indicators

- Display
  - TFT liquid crystal display (LCD), tiltable, IPS panel, backlit
  - Display size (W x H) 110 mm x 62 mm
  - 5" (127 mm) display size (diagonal)
  - Resolution 1280 x 720 Pixel
- 15 LED indicators
  - 1 red call indication LED
  - 1 red message waiting indication (MWI) LED
  - 10 multicolour function key indication LEDs
  - 3 audio key indication LEDs (1 red / 2 green)

Keypad and function keys

- 43 hard keys in total
- Standard ITU telephone keypad: 12 keys with star and pound/hash key
- 5-way navigation key
- 4 context-sensitive function keys
- Programmable line / function keys
  - 10 freely programmable line / function keys with multicolour LEDs
  - Multiple key occupancy up to 36 functions on 4 pages
- 5 dedicated audio keys
  - 1 mute key with red LED, 1 speakerphone key with green LED, 1 headset key with green LED, 1 volume control rocker
- 7 dedicated function keys
  - 1 cancel key, 1 message key with red LED, 1 directory key, 1 transfer key, 1 hold key, 1 conference key, 1 redial key
- Related features
  - Keyboard lock

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 50,000 entries
  - Import/export phone book (CSV, XML)
  - XML phonebook support
- Outgoing call features
  - Speed dialling via function keys
  - Speed dialling via keypad: 10 numbers
  - 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
  - Call blocking (deny list)
  - Dynamic central blacklist check 2
  - Blocking of anonymous calls
  - Auto answer
  - Call forwarding
  - Call deflection
  - Do Not Disturb (DND) mode
- Active calls
  - Mute microphone
  - Hold
  - Music on hold[2]
  - Blind call transfer
  - Attended call transfer
  - 4 + 1 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, call pickup[2]

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Interfaces and connections

- D865 power options
  - Power over Ethernet (PoE), IEEE 802.3af, class 3
  - Power adapter 100 - 240 V AC / 50 - 60 Hz | 5 V DC (SELV) / 2 A / 10 W[1]
- Wired interfaces
  - 1 coaxial power adapter connector
  - 2 RJ45-8P8C Gigabit Ethernet ports
  - 2 USB 2.0 type A ports for USB headsets and other accessories[3]
  - 1 RJ9-4P4C standard connector for corded receiver
  - 1 RJ9-4P4C standard connector for wired headset connection
  - 1 RJ12-6P6C connector for Snom EHS adapter[1]
- Wireless interfaces
  - Bluetooth 5.0
  - WLAN IEEE 802.11n/ac
  - DECT optional via Snom USB DECT Dongle[1]
- Sensors
  - Ambient light sensor
  - Hook switch sensor

User interfaces and setup

- Configuration and setup via menu-driven web user interface (WUI)
  - Visual and functional UX based re-design (phone manager)
  - Password-protected login
  - Secure web server/client (HTTPS)
  - Languages
- Configuration and setup via menu-driven phone user interface (PUI)
  - Languages
- 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-369
  - Plug & Play (PnP) support
- Localization
  - Timezone
  - Additional language support
  - Dial tone
- Related features
  - Dual firmware partition

Audio devices, codecs, and features

- Headset connectivity[3]
  - USB headset via USB
  - Wired headset via RJ9-4P4C
  - Compatible wireless headset via EHS
  - DECT headset via optional DECT dongle
  - BT headset via integrated Bluetooth
- Corded receiver
  - HD audio
  - Hearing aid compatible (HAC)
  - Frequency range 150 Hz - 8 kHz
  - Noise cancellation
- Speakerphone mode
  - HD audio
  - Frequency range 100 Hz - 8 kHz
  - Full duplex
  - 2 dedicated microphones
- Audio codecs
  - G.711 (A-law, µ-law), G.722, G.723.1, G.726, G.729, Opus
- Dual-tone multi-frequency signalling (DTMF)
  - In-band, out-of-band, SIP-INFO
- Related features
  - Comfort noise generator (CNG)
  - Voice activity detection (VAD)
  - Audio response time
  - Adaptive jitter buffer
  - Packet loss concealment (PLC)

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, 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 V1.3 incl. ciphers (forward secret & authenticated), HTTPS, IEEE 802.1X (EAP-TLS - RFC 5216)
- Remote management protocols
  - TR-069, TR-069 Annex G (formerly TR-111), TR-369 (USP)

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Environmental conditions

- Operating ambient temperature: 0 °C to 35 °C (32 °F to 95 °F)
- Nonoperating temperature: - 10 °C to 45 °C (14 °F to 113 °F)
- Humidity (non-condensing): 5 % - 95 %

Package contents

- Desk phone unit
- Footstand
- Corded receiver
- 1.5 m (5 ft) Ethernet cable
- Quick Installation Guide (QIG)

Accessories

- 00004544 | Wall mount kit (D8XX)
- 00004561 | Corded wideband receiver (D8XX)
- 00004570 | 10 W Power adapter
- 00004341 | A100M | Monaural Headset
- 00004342 | A100D | Binaural Headset
- 00004388 | A150 | DECT-Headset
- 00004387 | A170 | DECT-Headset
- 00002362 | EHS Advanced 2.0
- 00004386 | A230 | USB DECT dongle

[1] Available separately
[2] If supported by PBX
[3] Please check compatibility list

Series overview



D862



D865

Footer and disclaimer
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