D865

- Large tiltable 5 inch IPS color display
- 2x USB 2.0 high speed connection
- Dual-band WiFi and integrated BT 5.0
- 10 programmable function keys
- Optimized noise reduction

| Bluetooth | USB port | Security | 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° free-moving LCD 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. Hearing aid compatible, Bluetooth, WLAN and even the integration of a cordless DECT handset via USB-dongle belong to the wide range of connectivity options.
The D865 is not only well designed, but also very well thought-out - no matter what the environment!

SNOM

Basics

- Operating system Linux
- 3-year warranty
- Wall mountable [1]
- Part number/s
    - D865 | EU & UK | PN 00004536
    - D865 | Americas | PN 00004546

Dimensions and weight

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

Display and indicators

- Display
    - TFT liquid crystal display (LCD), tiltable, truecolour, 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
    - Call indication (1 x red LED)
    - Message waiting indication (MWI) (1 x red LED message key)
    - Function key indication (10 x multicolour LEDs)
    - Audio key indication (1 x red LED, 2 x green LED)

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
- 14 function keys
    - 4 context-sensitive function keys
    - 10 freely programmable line / function keys (maximum 36 on 4 sides) with multicolor LEDs
- 5 dedicated audio keys
    - Mute key (1 x red LED), speakerphone key (1 x green LED), headset key (1 x green LED), volume control key
- 7 dedicated function keys
    - Cancel key, message key, transfer key, hold key, redial key, directory, conference
- 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]

Audio devices, codecs, and features

- Casing speaker
  - Wideband audio
  - Hearing aid compatible (HAC)
  - Frequency range 150 Hz - 8 kHz
  - Noise cancellation
- Speakerphone mode
  - Wideband audio
  - Frequency range 100 Hz - 8 kHz
  - Full duplex
  - 2 x 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)

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 x coaxial power adapter connector
  - 2 x 1 Gbit RJ45-8P8C Ethernet port
  - 1 x USB 2.0 Typ A
  - 1 x RJ9-4P4C standard receiver connector
  - 1 x RJ9-4P4C standard connector or USB port for wired headset connection
  - 1 x RJ12-6P6C proprietary EHS connector[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

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)

User interfaces and setup

- Configuration and setup via menu-driven web user interface (WUI)
  - Visual and functional UX based re-design of web user interface (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

Environmental conditions

• Operating ambient temperature: 0 ° C bis 35 ° C
• Nonoperating temperature: - 10 ° C bis 45 ° C
• Humidity (non-condensing): 5% - 95%

Package contents

• 1 x desk phone unit
• 1 x footstand
• 1 x corded receiver
• 1 x 1,5 m (5 ft) Ethernet cable
• 1 x Quick Installation Guide

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

Series overview

D862   D865