M80

Ruggedized handset	IP 65	Alarm feature	Backlit keypad	Bluetooth	Vibration alarm	Long standby time	OTA Updates	Directory	Belt clip

A robust and durable handset

The Snom M80: a perfect all-rounder for indoor and outdoor use. Lightweight, compact, and thanks to the heavy-duty casing it is robust and durable. The handset can withstand drops of up to 2m and is splash water and dust resistant. The Snom M80 is not only suitable for the office, but also for challenging outdoor or industrial environments. Featuring integrated Bluetooth, which is compatible with the (Beacon) BLE tag technology of the Snom

M9B. This not only allows headsets to be connected to the phone, but also opens up new application possibilities like live tracking and alarm functionality. This DECT handset features a high-resolution, LED colour display, best HD audio and vibration alarm. On top of that, it comes with a high-performance battery that provides up to 12 hours of talk time.

Basics

- Product information
  - DECT handset **M80** | black | PN **00004424**
  - Integrated belt clip
  - Ruggedized and robust design
  - Drop tested up to 2 m → **MIL-STD-810g 516.6**
  - Ingress protection code IP65 compliant
- Placement: indoor, outdoor, desktop
- Antenna diversity: 2 internal omni-directional antennas

Dimensions and weight

- Dimensions (L x W x D, approx.)
  - 122 mm × 48 mm × 22 mm
- Weight (approx.)
  - Handset: 95 g
  - Battery & belt clip: 43 g

Display and indicators

- Display
  - TFT liquid crystal display (LCD), 262k (18 bit), backlit
  - Size (diagonal): 2.0" (51 mm)
  - Resolution: 240 × 320 pixel
- 3 LED indicators
  - Handset
    - Multi-purpose status indication: 1 tricolour LED
    - Audio key status indication: 1 red LED
  - Charging cradle → Charging indication: 1 green LED

Keypad and function keys

- 28 hard keys in total
  - 12 keys (standard ITU telephone keypad), backlit
  - 5-way navigation key
  - 3 context-sensitive function keys
  - 4 dedicated audio keys: Mute | Speakerphone (with red LED) | Volume + / - (rocker)
  - 4 dedicated function keys: Offhook | Onhook / Cancel | Menu | Alarm
- Related features
  - Keyboard lock
  - Key tones

Audio devices, codecs and features

- Casing microphone | Casing speaker | External speaker
  - Speakerphone mode
  - Full duplex, HD audio
- Audio codecs
  - G.711 (A-law, μ-law), G.722, G.726
- Related features
  - Hearing aid compatible (HAC)
  - Built-in assignable ringtones
  - Vibration alarm

Interfaces and connections

- Power options
  - Handset → Battery 3.7 V, 1,100 mAh, 4.1 W, lithium-ion, removable, rechargeable, up to 200 h standby time, up to 17 h narrowband talk time, up to 12 h wideband talk time, up to 6 h charging time
  - Charging cradle → Power adapter: 100 - 240 V AC / 50 - 60 Hz / 300 mA | 5 V DC / 2 A
- Wired interfaces
  - Handset → Headset connectivity: 3.5 mm miniature audio jack
  - Charging cradle
    - USB powering: attached USB cable with type A plug
    - Daisy chaining: USB 2.0 type A port
- Wireless interfaces
  - Network connectivity: DECT[1]
  - Positioning | Headset connectivity: Bluetooth

Technical specification

User interfaces and setup

- Configuration and setup via menu-driven phone user interface (PUI)
- Customisation
  - XML Minibrowser support for Snom DECT multicell systems
- Localization
  - Languages: English, German, French, Italian, Spanish, Dutch, Portuguese, Swedish, Turkish, Danish, Norwegian, Polish, Russian, Serbian, Croatian, Slovenian
  - Time zone, dial tone

Directory support and call features

- 10 identities / accounts
- Up to 2 simultaneous calls
- Directory support
  - Local directory with up to 250 entries
  - Central directory on the base station
  - LDAP (server-based directory)
- Outgoing call features
  - Speed dialling
  - Redial (via dialed calls list)
  - Caller identification (CLIP)
  - Calling Line Identification Restriction (CLIR)
- Incoming call features
  - Call waiting/swapping
  - Auto answer
  - Call diversion
  - Do Not Disturb (DND) mode
- Connected call features
  - Hold
  - Blind call transfer
  - Attended call transfer
  - Mute microphone
  - 2+1 local conferencing
- Related features
  - Call history of 50 missed, received, dialed calls
  - Voice message waiting notification
  - Notification of missed calls

DECT technology and features

- Standard: DECT[1]
  - Authentication/encryption of base and handset
  - Compatible with Snom DECT multicell systems
  - Wideband audio
- Frequency band: Auto-sensing
  - EU & UK: 1,880 - 1,900 MHz
  - USA: 1,920 - 1,930 MHz
  - Latin America: 1,910 - 1,930 MHz
- Output power
  - EU & UK: < 250 mW
  - USA: < 100 mW
- Coverage
  - Up to 50 m indoor range
  - Up to 300 m outdoor range
- Related features
  - Software upgrade over the air (SUOTA)
  - Auto registration when not registered
  - Date and time synchronization from base station

Environmental conditions

- Operating ambient temperature: -10 °C - +55 °C
- Charging condition: 5 °C - +45 °C

Package contents

- Hardware
  - DECT handset **M80**
  - Battery
  - Charging cradle
  - Power adapter
  - Connector clips → EU / Americas
- Documentation
  - Quick Installation Guide

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Snom accessories and compatible devices

- Battery
  - 3.7 V, 1,100 mAh, lithium-ion (PN 00003932)
- Repeaters
  - M6 (PN 00004586)
- Mobile Beacon Gateway
  - M9B (PN 00004460)

- Base stations
  - M400 (PN 00004587)
  - M900
    - EU & UK: PN 00004426
    - Americas: PN 00004441
  - M900 outdoor (PN 00004478)

[1] DECT devices manufactured for the USA and Canada are marketed as DECT 6.0

Series overview

| M25 | M30 | M65 (EoS) | M70 | M80 | M85 | M90 |

| M400 | M900 | M900 Outdoor | M6 | M9B | M9T |

Disclaimer

Further information: Snom M80 webpage | Snom Service Hub | Warranty information | Type approval | Company locations

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