M85

Ruggedized DECT handset

snom

M85

Key Features

· Ruggedized IP65 DECT handset
· Shockproof, splash-proof, dust-proof
· Suitable for outdoor areas
· Programmable alarm key
· Bluetooth-compatible

Professional DECT telephony

The M85 DECT handset is easily configurable for the flexible and scalable M700 multicell solution with seamless handover as well as for the M300 single-cell base station. It is ideally suited for professional indoor and outdoor use and in hard-hat or industrial areas.

Enhanced features

Reliable, robust, and comfortable to use, the handset is operational at temperatures between -15° and +55° Celsius (5°F and 131°F). It has a large configurable alarm key at the top and is shockproof, splash-proof, and dust-proof. The handset can connect to Bluetooth-compatible wireless headsets and, via its headset jack, to wired headsets as well.

Wide coverage

With its robust housing and comprehensive range of features, the M85 is ideal for customers who expect more of their phone system and require mobile coverage across several floors or between buildings.

User Interface

The M85 has a large backlit 2" color display and an illuminated keypad for easy dialing in poor light conditions.Wideband audio ensures crystal-clear voice quality for your calls, and, in addition to 6 polyphonic ringtones, the handset also features vibration alert for incoming calls. An integrated multicolor LED keeps you instantly informed of missed calls, voicemail messages, and low battery status. The protected lithium-ion battery has a standby time of up to 200 hours and up to 17 hours of talk time for heavy usage between charging.

Convenient features

When the M85 is used with an M700[1] or M300[2] base station you enjoy many phone system features such as voicemail, automatic call forwarding, call lists, caller identification, or direct search in the corporate directory.

Hardware Specifications

Handset
· Weight: approx. 175g (handset with battery)
· Dimensions: approx. (mm) 152x48x28 (LxWxD)
· Connector: 3.5 mm standard phone jack for
  wired headsets
· Antenna diversity (two internal omni-directional
  antennas for better transmission and reception)
· Hearing-aid compatible (HAC)

Battery [3]
· Type: Lithium-ion, 1100mAh, 3.7V, 4.1 W
· Talk time WB: Up to 12 hours
· Talk time NB: Up to 17 hours
· Standby time: Approx. 200 hours (8 days)
· Charging time: Up to 8 hours from empty

Charger
· Input: 5.5V DC, 600mA
· Connector: 5.5 mm DC jack
· Charging indicator: Blue LED - light is on when
  handset is charging in cradle

Power Adapter
· Input power: 100-240 AC Volt, 50/60 Hz, 250mA
· Output power: 5.5V DC, 600mA
· Plug: Patented interchangeable clips. EU and US
  clips included, UK clip available optionally [4]

Range
· Indoors: Up to 50 meters
· Outdoors: Up to 300 meters

DECT
· Frequency bands:
· 1880-1900 MHz (EU)
· 1910-1930 MHz (Latin America)
· 1920-1930 MHz (US)

· Output power: EU < 250 mW, USA < 140 mW
· Protocols: DECT, DECT 6.0, CAT-iq1.0 (wideband)
  NOTE: No backward compatibility to GAP!
· Wideband voice
· Authentication/encryption of base and handset

Standards Conformance
· EN 301406 (TBR6)
· EN 30176 - 2 (TBR10)
· EN 60950 - 1 (Safety)
· IEC60950 -1
· CSA c-CSA-us / UL60950 - 1
· EN 301489 (EMC, ESD)
· RF (EMF, SAR)
· FCC part 15D, conducted & radiated
· FCC part 15B
· RSS213
· TIA 1083, FCC part 68/CS-03 part V
  (HAC compliance)

User Interface
· Display:
  · 5 cm (2") diagonal
  · 176 x 220 pixels
  · 262k TFT color LCD with backlight
  · 8 lines, height 16 pixels/line, 16 characters
    per line: 1 status line, 6 lines for menus or context
    area, 1 context-sensitive function key line
· Backlit keypad with 24 keys:
  · Standard ITU telephone keypad, 12 keys, 4x3,
    with star and pound/hash key
  · Three context-sensitive function keys
  · 5 navigation keys (left, right, up, down, OK)
  · Off-hook key, cancel key
  · Menu key
· Three side keys (volume up/down, mute)
· Comfortable and intuitive menu structure
· Selection of ring tones
· Multicolor LED indication of missed calls/new
  voice messages, low battery
· Speakerphone
· Mute microphone

Menu Languages

· English, German, French, Italian, Spanish, Dutch,
  Portuguese, Swedish, Turkish, Danish, Norwegian,
  Polish

Phone funtions with M300/M700 base station

· Two simultaneous calls
· Directory with 100 contact entries
· Central directory (common local directory on
  base station or external directory via LDAP)
· 8 speed dial numbers (number keys 2 - 9)
· Caller identification (CLIP)
· Redial (via dialed calls list)
· Call waiting
· Auto answer
· Call lists (all calls, missed, received, dialed calls),
  50 entries total
· Hold
· Call swapping (active call and call on hold)
· Blind and attended transfer
· Call forwarding
· 3-way conference on the phone
· DND mode (do not disturb)
· Hide own outgoing ID (CLIR)
· Missed call notification
· MWI - Voice message waiting notification

Codecs, Audio

· Codec negotiation
· CAT-iq wideband audio
  G.722, G.726, G.711

Installation

· Automatic registration to extension set on base
· Software update: Over the air via M700 or M300
  base station
· Date and time synchronization from base station

Compatible base stations

[1] M700 DECT Single-Cell/Multicell Base Station,
    Snom PN   00003928 (EU),
                 00003929 (US)
[2] M300 Single-Cell Base Station, available in M325
    Bundle with one M25 Handset
    Snom PN   00003955 (EU),
                 00003954 (US)
                 00004161 (AU)
    M300 Single-Cell Base Station
    Snom PN   00003986 (EU)

Battery

[3] Included: Li-Ion battery, model RTR001F01,
    snom PN   00003932

Accessories

[4] Optional UK clip for power supply:
    Snom PN   00003931