

M90

Robust and anti-bacterial DECT handset



Ruggedized Handset



Alarm feature



Backlit Keypad



Bluetooth integrated



Vibration alarm



Long Stand-by Time



OTA Updates



Directory



Belt Clip



IP 65

Benefits

- Perfect for hospital use
- Anti-bacterial housing
- IP65 protected handset
- Ruggedized and robust design
- HD audio support
- Alarm key
- Integrated Bluetooth LE
- Large temperature range
- Integrated belt clip
- HAC compliant
- Compatible to existing base stations ⁽¹⁾
- Vibration alarm
- Multi-colour LED
- 200 hours stand by
- MIL-STD-810g 516.6 tested
- Perfect for outdoor use
- JIS-Z801 tested

Hardware Specifications

Handset

- Weight: approx. 136g (handset with battery+belt clip)
- Dimensions: approx. 122x48x22mm (LxWxD)
- Connector: 3.5mm standard phone jack for wired headsets
- Antenna diversity (two internal omni-directional antennas for better transmission and reception)
- Hearing aid compatible (HAC)
- Bluetooth LE for headset connection and positioning
- Alarm key on the top of the handset
- Drop test 2m
- IP protected housing
- Anti-bacterial housing according to JIS-Z801 testing
- Large temperature range (-10°C to 55°C)
- Part number: 00004425

Battery ⁽²⁾

- 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 (10 days)

Charger

- Input: 5V DC, 2A
- Charging indicator: Green LED - light is on when handset is charging in cradle
- USB port on charging cradle for daisy chaining a second cradle

Power Adapter

- Input power: 100-240 AC Volt, 50/60 Hz, 300mA
- Output power: 5V 2A
- Plug: interchangeable clips. EU and US clips included
- Charging condition: 5°C to 45°C

Range

- Indoors: Up to 50m
- Outdoors: Up to 300m

DECT

- Frequency bands:
 - 1880-1900 MHz (EU)
 - 1920-1930 MHz (US)
- Output power: EU < 250 mW, USA < 140 mW
- Protocols: DECT, DECT6.0
- Wideband voice
- Authentication/encryption of base and handset
- DECT band auto-sensing

User Interface

- Display:
 - 5cm (2") diagonal
 - 240 x 320 pixels
 - 262k TFT color LCD with backlight
- 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)
 - Alarm key on the top of the handset
 - 28 keys in total
- Comfortable and intuitive menu structure
- Selection of ring tones
- Tricolor LED indication of missed calls/new voice messages, low battery
- Speakerphone
- Mute microphone
- Vibration alarm

Menu Languages

- English, German, French, Italian, Spanish, Dutch, Portuguese, Swedish, Turkish, Danish, Norwegian, Polish, Russian, Croatian, Serbian, Slovenian

Phone functions with compatible base stations

- Two simultaneous calls
- Local directory with 250 contact entries
- Central directory (common local directory on base 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

Installation

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

Compatible base stations

- ⁽¹⁾ · M300 Single-Cell Base, available in M325 Bundle, snom PN 00003955 (EU), 00003954 (US), 00004161 (AU)
- M700 DECT Single Cell/Multicell Base, snom PN 00003928 (EU), 00003929 (US)
- M900 DECT Multicell Base, snom PN 00004426 (EU), 00004441 (US)

Battery

- ⁽²⁾ Included: Li-Ion battery, model RTR001F01, snom PN 00003932