

M70 Ruggedized DECT Handset



The Snom M70 DECT handset is the perfect office all-rounder for unlimited workplace mobility. The handset is not only extremely light and compact, it is also exceptionally robust thanks to its high standard of manufacturing quality and protective outer cover. Consequently, the M70 not only cushions the occasional fall, but is also protected to the MIL-STD-810g industry standard and can easily withstand falls of up to 2 meters. This makes the M70 the perfect companion in the office, in a warehouse or on outdoor premises.

In addition to its outstanding manufacturing quality, the modern DECT telephone also has a high-resolution LCD colour screen and enables wireless telephony in the best HD audio quality and at long range. All well-known Bluetooth headsets can be paired with the M70 to further increase telephone comfort.

Alongside its wide range of telephony functions, the Snom M70 also offers a freely programmable alarm button on the top of the device. This button can be used, for example, to call for help in an emergency, open doors and much more.

Also completely new is the integrated Bluetooth tag which, in combination with the Snom BLE Beacons, enables a variety of new functions.

The Snom M70 is a versatile, lightweight and modern office DECT phone of the latest generation and the perfect addition to any mobile workplace.

M70 Key Features

- 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



Ruggedized Handset



Alarm feature



Backlit Keypad



Bluetooth integrated



Vibration alarm



Long Stand-by Time



OTA Updates



Directory



Belt Clip

Hardware Specifications

Handset

- Weight: approx. 120g (handset with battery+belt clip)
- Dimensions: approx. 118x46x22mm (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
- Alarm key on the top of the handset
- Drop test 2m
- Large temperature range (-10°C to 55°C)
- Part number: 00004423

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 50 meters
- Outdoors: Up to 300 meters

Series Overview



M300



M700



M900



M25



M65



M70



M80



M85



M90

¹Function only available when paired to the M300, M700 and M900

DECT

- Frequency bands:
 - 1880-1900 MHz (EU)
 - 1920-1930 MHz (US)
- Output power: EU < 250 mW, USA < 100 mW
- Protocols: DECT, DECT 6.0
- Wideband voice
- Authentication/encryption of base and handset
- DECT band auto-sensing

User Interface

- Display:
 - 5 cm (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
 - Speakerphone key with red LED when speakerphone is on
 - 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

M900

VoIP cordless DECT multicell base station



Multicell System



Power over Ethernet



Security (TLS & SRTP)



OTA Updates

Benefits

- Up to 4,000 base stations
- Up to 16,000 handset
- DECT and LAN synchronisation
- No DECT manager required
- Compatible to existing handsets⁽¹⁾
- Over-the-air software updates for handsets
- Repeater support⁽²⁾
- PoE and power adapter support
- TLS encryption
- DSP module support
- Wallmountable
- Local, XML and LDAP phone book support

DECT

- Frequency bands:
 - 1880-1900 MHz (EU)
 - 1920-1930 MHz (US)
- Output power: EU < 250 mW, USA < 100 mW
- Protocols: DECT, DECT 6.0
- Seamless handover and roaming
 - Handover using DECT or LAN synchronisation (IEEE1588)
- Wideband audio
- Authentication/encryption of base and handset

Range

- Indoors: Up to 50 meters
- Outdoors: Up to 300 meters (for indoor use only)

Multicell System

- Up to 16,000 registered handsets in the same network in multicell setup
- Up to 4,000 registered base stations in a multicell setup
- Up to 100 repeaters in a multicell setup⁽²⁾
- Up to 8 narrowband or 4 wideband calls per base station in multicell setup
- Up to 10 narrowband or 5 wideband calls per base station in single-cell set-up
- Common phonebook with up to 3000 entries
- List of registered handsets
- Compatible to M700 running the same software version

Audio, Codecs

- G.722 (5 channels; 4 in multicell operation)
- G.711 A-law, μ -law,
- G.726 (10 channels; 8 in multicell operation)
- Codec negotiation, codec switching
- A900 enables
 - G.729 (10 channels, 8 multicell operations)
 - BV32 (10 channels, 8 multicell operations)
 - Opus (8 channels)

User Interfaces

- LED status indication, multicolor
- Reset key
- Web interface

Installation

- Positioning:
 - Wall mounting
 - Ceiling mounting
- Remote software updates via HTTP/ HTTPS/TFTP
- Automatic loading of settings via HTTP/ HTTPS/ TFTP
- Completely configurable through Web interface
- Static IP, DHCP support
- NTP (Network Time Protocol)
- Secure provisioning and authentication with Mutual TLS through individual certificate issued by Snom CA
- Compatible handset feature RSSI tool, no additional measurement equipment needed

Hardware Specifications

- Weight: approx. 306g
- Dimensions: approx. 144x140x35 mm (LxWxD)
- Antenna diversity (two internal omni-directional antennas for better transmission and reception)
- Power: Power over Ethernet (PoE) IEEE802.3af Class 2. If PoE is not available, the A5 PoE injector can be used (not included)⁽³⁾, Power adapter available⁽⁴⁾
- Ethernet connector: RJ 45
- LAN interface: 10/100 BASE-T IEEE 802.3
- Colour: White
- Part Number: 00004426 (EU), 00004441(US)

Network

- HTTP and HTTPS
- LLDP
- IEEE 802.1Q
- TLS 1.2

- (1) Compatible handsets:
- Snom M25, Snom PN 00003987 (EU),
00003988 (US)
 - Snom M65, Snom PN 00003969
 - Snom M70, Snom PN 00004423
 - Snom M80, Snom PN 00004424
 - Snom M85, Snom PN 00004189
 - Snom M90, Snom PN 00004426

- (2) Compatible DECT Repeater:
- Snom M5, Snom PN 00003839

Accessories:

- (3) If PoE is not available, the Snom A5 PoE Injector (Phihong, model POE16R -1AFG, 56V) can be used to power and connect the M900.
Snom PN: 00004065
- (4) Power adapter 5V/2A EU, Snom PN 00004439
Power adapter 5V/2A US, Snom PN 00004440
DSP codec module A900, Snom PN 00004445

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On the internet

<https://www.snom.com/m900/>