

# M900



DECT



Multicell system



Power over Ethernet (PoE)



Security (TLS & SRTP)



Alarm server compatibility



Beacon support



OTA Updates

## The professional and modern base with DECT multi-cell technology

The Snom M900 is ideal for almost any installation for up to 1,000 bases and up to 4,000 handsets. The handy, white base offers not only a completely new design, but also a wide range of functions and includes an integrated DECT manager as well as DECT and LAN synchronization. The integrated DECT manager manages all bases in an installation and ensures constant availability as well as the so-called "Seamless Handover" i.e. that calls are seamlessly

transferred between the individual bases - even across floors or buildings. With its integrated TLS encryption, the base sets new high standards in encryption and security. Device maintenance can also be easily performed via the Snom M900's Web UI. Each base can wirelessly send software updates (OTA) as well as other configuration information to the connected handsets.

## Product variants



M900 | EU & UK | PN 00004426



M900 | Americas | PN 00004441

## Basics

- Product information
  - DECT multicell base station
  - Colour: white
- Placement: indoor, wall mounting, ceiling mounting
- Antenna diversity: 2 internal omni-directional antennas

## Dimensions and weight

- Dimensions (L x W x D, approx.)
  - 144 mm × 140 mm × 35 mm
- Weight (approx.)
  - 306 g

## Indicators and keys

- 1 multicolour LED Multi-purpose status indication
- 1 dedicated function key: Reset

## Audio codecs and features

- Audio codecs
  - G.711 (A-law,  $\mu$ -law), G.722 (5/4), G.726 (10/8)
  - G.729 (10/8), BV32 (10/8), Opus (8)<sup>3</sup>
- Codec negotiation
- Codec switching

## Interfaces and connections

- M900 power options
  - [Power over Ethernet \(PoE\)](#)
    - IEEE 802.3af, class 2
  - Power adapter<sup>2</sup>
    - 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W
- Wired interfaces
  - Power adapter: coaxial power connector (socket)

- Ethernet 10/100 Mbit/s: RJ45-8P8C socket
- Wireless interfaces
  - DECT<sup>4</sup>

## User interfaces and setup

- [Configuration and setup via menu-driven web user interface \(WUI\)](#)
- [Automatic configuration via provisioning](#)
  - Loading of settings and firmware via HTTP / HTTPS / TFTP
  - Secure provisioning with preinstalled certificate
- Localization
  - [Languages](#)
  - Timezone, dial tone
- Related features
  - Compatible handset feature RSSI tool, no additional measurement equipment needed
  - List of registered mobile handsets

## Networking technologies and protocols

- Network technologies
  - [VLAN \(IEEE 802.1Q\)](#)
- Network protocols
  - [DHCP](#), [NTP](#), [LLDP-MED](#), [HTTP](#), [LDAP](#)
- Secure network protocols
  - [TLS V1.2](#), [HTTPS](#)

## Directory support

- Local directory with up to 3,000 entries
- LDAP (server-based directory)
- XML phonebook support

## DECT technology and features

- Standard: DECT<sup>4</sup>
  - Authentication/encryption of base and handset
  - Seamless handover and roaming using DECT or LAN synchronisation (IEEE1588)
  - Wideband audio
- Frequency band
  - Europe: 1,880 - 1,900 MHz
  - USA: 1,920 - 1,930 MHz
- Output power
  - Europe: < 250 mW
  - USA: < 100 mW
- Coverage
  - Up to 50 m indoor range
  - Up to 300 m outdoor range
- Multicell installation
  - Handsets: up to 4,000<sup>1</sup>
  - Base stations: up to 1,000<sup>1</sup>
  - Repeaters: up to 100
  - Narrowband calls: up to 8
  - Wideband calls: up to 4
- Single-cell installation
  - Narrowband calls: up to 10
  - Wideband calls: up to 5
- Related features
  - Software upgrade over the air (SUOTA)
  - Alarm server compatibility

- Beacon support

## Environmental conditions

- Operating ambient temperature: -10 °C - 50 °C

## Package contents

- Hardware
  - DECT base station M900
  - Wall mount kit
- Documentation
  - Quick Installation Guide (QIG)
  - Information sheets (security, standards)

## Interoperability

- [Certified VoIP partner](#)

## Snom accessories and compatible devices

- Power adapter: M900 PSU
  - EU & UK: M900 PSU (PN 00004439)
  - Americas: M900 PSU (PN 00004440)
  - UK: M900 PSU Clip (PN 00003931)
- PoE injector<sup>2</sup>
  - [A5 \(PN 00004065\)](#)
- DSP codec module
  - A900 (PN 00004445)
- Repeaters
  - [M5 \(FW < 610.x\) \(PN 00003930\)](#)
  - [M6 \(FW > 530.9\) \(PN 00004638, PN 00004639, PN 00004640\)](#)
- Handsets
  - [Please check compatibility list](#)

<sup>1</sup> up to 16,000 registered handsets and 4,000 base station with a future FW update

<sup>2</sup> If PoE is not available

<sup>3</sup> Enabled by DSP module A900

<sup>4</sup> 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



M700 (EoL)



M900



M900  
Outdoor



M5



M6



M9B



M9T

## Disclaimer

Further information: [Snom website](#) | [Snom Service Hub](#) | [Type approval](#) | [Warranty information](#)

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