

M9B / M9T



DECT



Bluetooth



Beacon support



Long standby time



OTA Updates

Professional live location, asset tracking and alarm solutions

The Snom Beacon Solution is a location, asset tracking and alarm system. The M9B Beacon Gateway connects via DECT to a Snom M900 base and either transmits Bluetooth signals (TX) or scans for BTLE devices in receive mode (RX). 4 antennas in the M9B enable device location thanks to beamforming in near field range. The M9B can be operated by battery or USB power adapter. The Snom M9T Tag connects to the M9B Beacon Gateway via Bluetooth LE and only activates when

motion is detected, saving power. Its signals are detected by the M9B and processed to determine its position (RX mode). Many scenarios can be mapped, from indoor navigation, theft protection, inventory management, tracking solutions and more. The beacons can be easily installed and do not affect existing infrastructures.

Product variants



M9B

M9B | EU & UK | white | PN 00004460



M9T

M9T (5 x) | EU & UK | white | PN 00004461

Basics

- **M9B:** Mobile Beacon Gateway
 - 4 integrated antennas enable beamforming for directed positioning (left, right, middle)
- **M9T:** Mobile Beacon Tag
 - Automatic and manual activation

Dimensions and weight

- Dimensions (L x W x D, approx.)
 - M9B: 112 mm x 112 mm x 23 mm
- Weight (approx.)
 - M9B: 155 g

Indicators and keys

- M9T → Manual activation
 - 1 button
 - 1 LED indicator

Interfaces and connections

- Power options
 - M9B
 - USB powering 5 V, 600 mA, 3.0 W
 - Battery 2 x AA (Mignon) LR6, 1.5 V
 - M9T
 - Battery 1 x CR2016, 3 V, lithium-ion
 - Automatic stand-by to save power
- Wired interfaces
 - M9B: USB powering: 1 x Micro USB socket

- Wireless interfaces
 - M9B: DECT¹, [Bluetooth](#)
 - M9T: [Bluetooth](#)
- Sensors
 - M9T: Motion sensor

DECT technology and features

- Standard: DECT
- Encryption: DECT Standard Cipher (DSC)
- Frequency band
 - Europe: 1,880 - 1,900 MHz
- Output power
 - Europe: < 250 mW → 24 dBm
- Coverage
 - Up to 50 m indoor range
 - Up to 300 m outdoor range
- Multicell installation
 - up to 1000 total
 - up to 20 M9B / M900
- Software upgrade over the air (SUOTA)

Bluetooth

- Standard: Bluetooth LE, class 2
- Frequency range: 2,402 - 2,480 MHz
- Output power: 2 mW → 3 dBm
- Wireless range (approx.): 10 m

Interoperability

- Interoperable with tags of third party manufacturers for the following beacon types: iBeacon, AltBeacon, Eddystone
- Requires a compatible alarm server for full functionality
- API for custom alarm server development

Environmental conditions

- Operating ambient temperature: -20 °C - +60 °C

Package contents

- M9B
 - Mobile Beacon Gateway



M900



M900 Outdoor



M70



M80



M85



M90

- Power adapter
- Battery
- M9T
 - 5 × Mobile Beacon Tag
 - Battery: preinstalled

Snom accessories and compatible devices

- Base stations
 - EU & UK: M900 (PN 00004426)
 - M900 Outdoor (PN 00004478)
- DECT handset
 - M70 (PN 00004423), M80 (PN 00004424), M85 (PN 00004189), M90 (PN 00004425)

Series overview



M9B



M9T

Disclaimer

[Further information: M9B / M9T webpage](#) | [Snom Service Hub M9B / M9T](#) | [Type approval](#) | [Warranty information](#) | [Company locations](#)

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