M900 Outdoor



DECT

Multicell system

Certified for outdoor use

Impact resistance

Alarm server compatibility

Beacon support

Power over Ethernet (PoE)

Security (TLS & SRTP)

OTA Updates

The outdoor DECT base for all weather conditions

The Snom M900 Outdoor base enables professional and modern multi-cell DECT technology to operate outdoors. The base is IP55 certified and insensitive to dust, splash and rain water. Protected by durable housing reliable in any weather, the M900 Outdoor is versatile in office buildings, warehouses or hospitals.

The electronic components of the base station have been treated so that they are resistant to extreme temperatures, bacteria and moisture. Technically, the base is identical to the Snom M900.

Basics

- Product information
  - DECT multicell base station | PN 00004478
  - Colour
    - Base station: orange
    - Housing: light grey
- Placement: outdoor, indoor, wall mounting, ceiling mounting
- Equipment
  - Antenna diversity: 2 internal omni-directional antennas
  - Housing: large temperature range, UV, impact (IK08) and water (UL746C) protected, IP55 rated

Dimensions and weight

- Dimensions (L x W x D, approx.)
  - Base station: 144 mm × 140 mm × 35 mm
  - Housing: 300 mm × 175 mm × 80 mm
- Weight (approx.)
  - 1.1 kg

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, µ-law), G.722 (5/4), G.726 (10/8)
  - G.729 (10/8), BV32 (10/8), Opus (8)[3]
- Codec negotiation
- Codec switching

Interfaces and connections

- Power options
  - Power over Ethernet (PoE):
    - IEEE 802.3af, class 2
  - Power adapter:[2]
    - 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[4]

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
  - Time zone, 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

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Directory support

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

DECT technology and features

- Standard: DECT[4]
  - Authentication/encryption of base and handset
  - Seamless handover and roaming using DECT or LAN sychronisation (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[1]
  - Base stations: up to 1,000[1]
  - 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 outdoor
  - Housing
  - Wall mount kit
- Documentation:
  - Quick Installation Guide
  - Information sheets (security, standards)

Interoperability

- Certified VoIP partner

Snom accessories and compatible devices

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

[1] up to 16,000 registered handsets and 4,000 base station with a future FW update
[2] If PoE is not available
[3] Enabled by DSP module A900
[4] DECT devices manufactured for the USA and Canada are marketed as DECT 6.0

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Series overview


M25


M30


M65


M70


M80


M85


M90


M400


M700 (EoL)


M900


M900 Outdoor


M5


M6


M9B

M9T

Disclaimer

Further information: Snom M900 Outdoor webpage | Snom Service Hub | Type approval | Warranty information | Company locations

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