

M900 Outdoor

VoIP cordless DECT multicell base station



Multicell System



Power over Ethernet



Security (TLS & SRTP)



OTA Updates



Certified for outdoor use



Impact resistance

Benefits

- Large temperature range
- UV, impact and water protected
- IP55 rated housing
- Consists of base station and housing
- Up to 1,000 base stations
- Up to 4,000 handsets
- DECT and LAN synchronisation
- No DECT manager required
- Compatible with existing handsets⁽¹⁾
- Over-the-air software updates for handsets
- Repeater support⁽²⁾
- PoE support
- TLS encryption
- DSP module support
- Wallmountable
- Local, XML and LDAP phone book support
- Fully compatible with Snom M900 base stations

DECT

- Frequency bands:
 - 1880-1900 MHz (EU)
- Output power: EU < 250 mW
- Protocols: DECT
- 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

Multicell System

- Up to 4,000 registered handsets in the same network in multicell setup* using LAN-synchronisation
- Up to 1,000 registered base stations in a multicell setup* using LAN-synchronisation
- 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 with 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. 1,100g
- Dimensions: approx. 144x140x35mm (base)
approx. 300x175x80mm (housing)
- 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⁾,
- Ethernet connector: RJ 45
- LAN interface: 10/100 BASE-T IEEE 802.3
- Colour: Orange (base), Light grey (housing)
- Temperature range: -20°C to +60°C
- Housing IP55 protection rated
- UV protected
- Impact strength IK08
- UL746C 5V flammability tested
- UL746C water exposure tested

Network

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

- **Part Number: 00004478 (EU)**

- * up to 16,000 registered handsets and 4,000 base station with a future FW update

⁽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 (Pihong, model POE16R -1AFG, 56V) can be used to power and connect the M900.
Snom PN: 00004065

DSP codec module A900, Snom PN 00004445

Series Overview



M25



M65



M70



M80



M85



M90



On the internet

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



Technical information

<https://service.snom.com/display/wiki/M900+--+Outdoor>