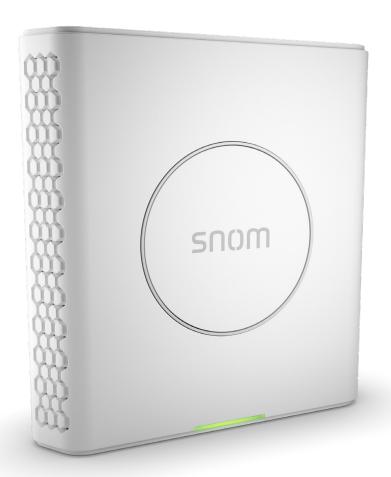


M900

VoIP cordless DECT multicell base station











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
- \cdot 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 sychronisation (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
- $\cdot \text{ A900 enables}$
 - · 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 mmm (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 avalaible⁽⁴⁾
- · Ethernet connector: RJ 45
- · LAN interface: 10/100 BASE-T IEEE 802.3
- · Colour: White
- · Part Number: 00004426 (EU), 00004441(US)

Network

- \cdot 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

Series Overview





On the internet

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