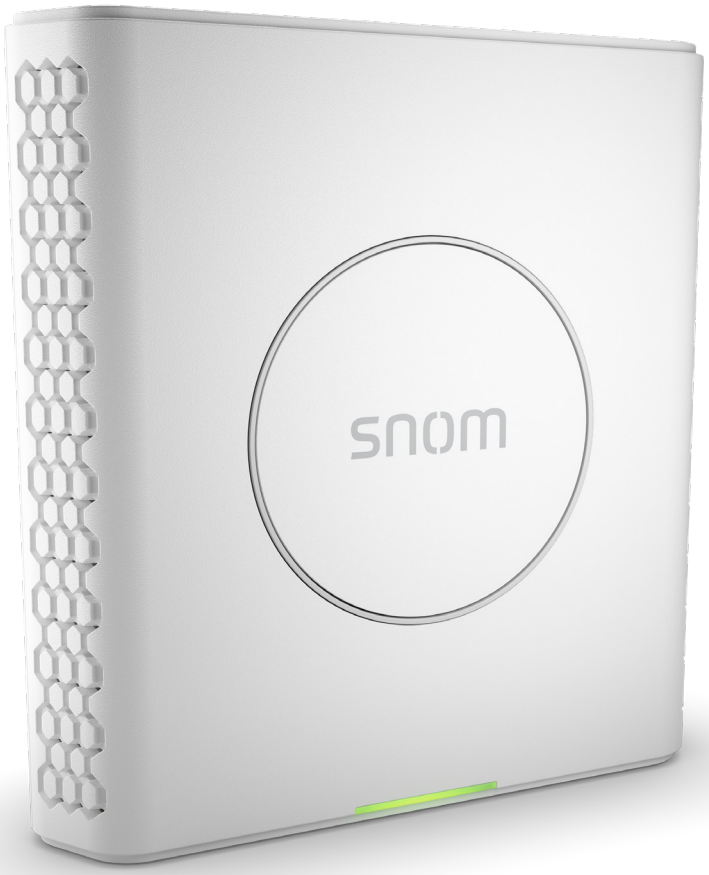
M900

VoIP cordless DECT multicell base station



Multicell System

Power over Ethernet

Security (TLS & SRTP)

OTA Updates

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
- 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
- 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
- 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


M25


M65


M70


M80


M85


M90

On the internet

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

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