M900

VoIP cordless DECT multicell base station

Multicell System

Power over Ethernet

Security (TLS & SRTP)

OTA Updates

Benefits

· Up to 1,000 base stations
· Up to 4,000 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 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 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

* 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 (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
UK clip for Snom Power Adaptor, PN 00003931
DSP codec module A900, Snom PN 00004445

Series Overview

| M25 | M65 | M70 | M80 | M85 | M90 |

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

technical information
https://service.snom.com/display/wiki/M900