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 sychronisation (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
     (Phihong, 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