

# M700

VoIP cordless DECT multicell base station



Directory



Power over Ethernet



Security (TLS & SRTP)



Multicell System



OTA Updates

## Benefits

- Up to 254 base stations
- Up to 1000 handsets
- DECT synchronisation
- No DECT manager required
- Over-the-air software updates for handsets
- Repeater support
- No hidden license costs
- Wideband audio
- DSP module support
- Variety of compatible handsets <sup>(1)</sup>

**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 using connection handover
- 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 1000 registered handsets in the same network in multicell setup
- 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
- Installation can be expanded with M900 base stations
- Cannot be integrated into existing M900 multi cell installations

**Audio, Codecs**

- G.722 (5 channels; 4 in multicell operation)
- G.711 A-law,  $\mu$ -law,
- G.726 (10 channels; 8 in multicell operation)
- Codec negotiation, codec switching
- A729 DSP module enables G.729 (10 channels, 8 multi cell operations)

**User Interfaces**

- LED status indication, multicolor
- Reset key
- Web interface

**Installation**

- Positioning:
  - Floor or desktop (footstand included)
  - Wall mounting
  - Ceiling mounting<sup>(4)</sup>
- 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. 320g
- Dimensions: approx. 211x150x58 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)<sup>(3)</sup>.
- Ethernet connector: RJ 45
- LAN interface: 10/100 BASE-T IEEE 802.3
- Colour: Black
- Part Number: 00003928 (EU), 00003929 (US)

<sup>(1)</sup> Compatible handsets:

- Snom M25, Snom PN 00003987 (EU),  
00003988 (US)
- Snom M65, Snom PN 00003969
- Snom M70, Snom PN 00004423 <sup>(5)</sup>
- Snom M80, Snom PN 00004424 <sup>(5)</sup>
- Snom M85, Snom PN 00004189
- Snom M90, Snom PN 00004425 <sup>(5)</sup>

Compatible headset:

- Snom A190, Snom PN 00004444 <sup>(5)</sup>

<sup>(2)</sup> Compatible DECT Repeater:

- Snom M5, Snom PN 00003839

**Accessories:**

- <sup>(3)</sup> If PoE is not available, the Snom A5 PoE Injector (Phihong, model POE16R -1AFG, 56V) can be used to power and connect the M700.  
Snom PN: 00004065
- <sup>(4)</sup> · Ceiling mount, stainless steel,  
Snom PN 00003933
- A729, DSP module for G.729 codec support  
Snom PN 00004080
- <sup>(5)</sup> Requires at least V450 firmware branch

**Series Overview**



M25



M65



M70



M80



M85



M90



**On the internet**

<https://www.snom.com/m700/>