

M253



DECT



Single-cell system



Anti-bacterial housing



Power over Ethernet (PoE)



Security (TLS & SRTP)



Directory



OTA Updates

DECT Communication. Simplified.

The Snom M253 is a powerful single-cell DECT solution for modern business environments. Featuring antibacterial housing, Power over Ethernet, secure TLS/SRTP communication, and support for up to 10 handsets, it ensures reliable voice quality and seamless

integration. With remote management, OTA updates, and LDAP directory support, the M253 is built for scalable, secure, and efficient communication.

Basics

- Product information
 - **Bundle M253 (DECT single-cell base station M250 + DECT handset M53)** | EU & UK | black | PN 00004741
 - Anti-bacterial housing
- Placement: Indoor, desktop

Dimensions and weight

- Dimensions (H × W × D, approx.)
 - **DECT base station M250:** 189 mm × 123 mm × 70 mm
 - **DECT handset M53**
 - 163 mm × 48 mm × 21 mm
 - on the charging cradle: 170 mm × 80 mm × 75 mm
 - Charging cradle: 33 mm × 80 mm × 75 mm
- Weight (approx.)
 - **DECT base station M250:** 280 g
 - **DECT handset M53:** 120 g

Display and indicators

- **DECT base station M250:** 3 LED indicators
 - Power status indication: 1 green LED
 - VoIP status indication: 1 multicolour LED (green / red / orange)
 - LINK status indication: 1 multicolour LED (green / red / orange)

• DECT handset M53

- TFT liquid crystal display (LCD)
- true colour, graphical
- backlit (blue / white)
- Size (diagonal): 2.4" (51 mm)
- Resolution 240 × 320 pixel

Keys

- **DECT base station M250:** 2 dedicated function keys
 - Link → DECT pairing
 - Reset
- **DECT handset M53:** 24 hard keys in total
 - 12 keys (standard ITU telephone keypad)
 - 2 context-sensitive function keys
 - 5-way navigation key
 - Ok | Menu
 - Directory
 - Volume +
 - Volume -
 - Voicemail
 - 3 dedicated function keys
 - Offhook | Talk
 - Onhook | Cancel | Power on / off
 - Redial
 - 2 dedicated audio keys
 - Speakerphone
 - Mute

Interfaces and connections

• DECT base station M250

- Power options
 - Power over Ethernet (PoE): IEEE 802.3af, class 2
 - Power adapter:² 100 - 240 V AC / 50 - 60 Hz, 300 mA | 5 V DC / 2 A, 10 W
- Wired interfaces
 - Network connectivity: 2 × RJ45-8P8C sockets (*NET, PC*) → Ethernet 10/100 Mbit/s:
 - Power adapter:² coaxial power connector (socket)
 - USB 2.0 type A port → Not in use
- Wireless interfaces
 - DECT

• DECT handset M53

- Power options: Battery: 2 × AAA (Ni-MH), 1.2 V, 850 mAh, rechargeable, up to 12 h narrowband talk time, up to 9 h wideband talk time, up to 120 h standby time
- Charging cradle
 - Power options: Power adapter: 100 - 240 V AC / 50 - 60 Hz, 150 mA | 6 V DC / 450 mA, 2.7 W
 - Wired interfaces Power adapter: coaxial power connector (socket)

Audio features

• DECT base station M250

- Audio codecs: G.711 (A-law, μ -law), G.722, G.726, G.729AB, iLBC, OPUS

• DECT handset M53

- Microphone
- Handset earpiece

- External speaker
- Hearing aid compatible (HAC)

DECT technology and features

- Standard: DECT
- Frequency band
 - Europe: 1,880 - 1,900 MHz
- Coverage
 - Up to 300 m outdoor range
 - Up to 50 m indoor range
- Handsets: up to 10¹
- Software upgrade over the air (SUOTA)

Networking technologies and protocols

- Network technologies
 - VLAN (IEEE 802.1q)
 - OpenVPN
- VoIP related protocols and techniques
 - SIP, RTP, STUN
- Secure VoIP protocols
 - SRTP
- Network protocols
 - DHCP, LLDP-MED, HTTP, FTP, TFTP, SNMP, NAT
- Secure network protocols
 - TLS V1.2, HTTPS, IEEE 802.1X (p/q)
- Quality of Service (QoS)
 - ToS, DiffServ
- Remote management protocols
 - TR-069
 - TR-369 (USP)
- Related features
 - DNS Override
 - Mutual authentication
 - Failover support and server redundancy

Directory support and call features

- 20 identities / accounts
 - Up to 8 simultaneous calls
- Directory support
 - [LDAP \(server-based directory\)](#)
 - Import/export phone book (CSV, XML)
 - Central directory on the base station with up to 1,000 shared entries
 - [XML phonebook support](#)
- Outgoing call features
 - Speed dialling: up to 10
 - [Local dial plan](#)
 - [Redial](#)
 - Caller identification (CLIP)
 - Intercom between DECT handsets¹
- Incoming call features
 - **Call barring / blocking:** deny list, anonymous calls, Do Not Disturb (DND) mode
 - [Call diversion](#)
- Connected call features
 - Mute microphone
 - Hold
 - [Blind call transfer](#)
 - [Attended call transfer](#)
 - External/internal call transfer between DECT handsets¹
 - N-way network conferencing
 - 3-way (2+1) local conferencing
- Related features
 - Call history of 100 missed, received, dialed calls
 - Phone book matching for incoming and outgoing calls
 - Call timer (call duration)

User interfaces and setup

- Configuration and setup via menu-driven web user interface (WUI)
 - Password-protected login
 - Secure web server/client (HTTPS)
- [Automatic configuration via provisioning](#)
 - Loading of settings and firmware via HTTP, HTTPS, TFTP
 - [Secure Redirection And Provisioning Service \(SRAPS\) support](#)
 - Supported DHCP provisioning options 66, 159, 160
 - Secure provisioning with preinstalled certificate
 - [Remote management via TR-069](#)
 - Plug & Play (PnP) support
 - Provisioning file with AES encryption
- Customisation
 - Custom default file
- Localisation
 - [Languages](#)
 - **DECT base station M250:** German, English, British English, Spanish, Mexican Spanish, French, Canadian French, Italian, Dutch, Polish, Portuguese, Turkish, Greek, Russian
 - **DECT handset M53:** English, French, Canadian French, Spanish, Mexican Spanish, German, Italian, Dutch, Greek, Polish, Swedish, Estonian, Danish, Russian, Portuguese, Czech
 - Time zone, dial tone
- Diagnostic
 - PCAP trace, Syslog

Interoperability³

- Certified VoIP partner

Environmental conditions

- Operating ambient temperature: 0 °C - +35 °C
- Humidity (non-condensing): < 95 %

Package contents

- Hardware
 - **DECT base station M250**
 - Ethernet cable
 - **DECT handset M53**
 - Charging cradle
 - Power adapter

- Battery

- Documentation
 - **Safety instructions M250**
 - **Safety instructions M53**

Snom accessories and compatible devices

- PoE injector: **A5E** (PN 00004679)³
- Power adapter: **10W PSU** (PN 00004570)³
- **DECT single-cell base station: M250** (PN 00004742)²
- **DECT handset: M53** (PN 00004740)², **M55** (PN 00004629)³, **M56** (PN 00004656)³
- DECT desk phone: **M58** (PN 00004631)³

¹ Function only available when paired to the M53 / M55 / M56 / M58

² Included in bundle

³ Available separately

⁴ Features and functionality may vary, depending on SIP service provider and/or SIP phone system platform

Series overview



M253



M250



M500



M53



M55



M56



M58

Disclaimer

Further information: [M253 webpage](#) | [Snom Service Hub M253](#) | [Short User Manual M253](#) | [Safety instructions M250](#) | [Data sheet M250](#) | [Safety instructions M53](#) | [Data sheet M53](#) | [Type approval](#) | [Warranty information](#) | [Company locations](#)

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