M250

DECT	Single-cell system	Anti-bacterial housing	Power over Ethernet (PoE)	Security (TLS & SRTP)	Directory	OTA Updates

DECT Communication. Simplified.

The Snom M250 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 M250 is built for scalable, secure, and efficient communication.

SNOM

Basics

- Product information
  - **Bundle M253 / M256 (DECT single-cell base station M250 + DECT handset M53 / M56)** | EU & UK | black | PN 00004741 / 00004791
  - Anti-bacterial housing
- Placement: Indoor, desktop

Dimensions and weight

- Dimensions (H × W × D, approx.)
  - 189 mm × 123 mm × 70 mm
- Weight (approx.)
  - 280 g

Display and indicators

- 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)

Keys

- 2 dedicated function keys
  - Link → DECT pairing
  - Reset

Interfaces and connections

- Power options
  - Power over Ethernet (PoE): IEEE 802.3af, class 2
  - Power adapter:[3] 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:[3] coaxial power connector (socket)
  - USB 2.0 type A port → Not in use

- Wireless interfaces
  - DECT

Audio features

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

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 10[1]
- 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, SNTP, 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

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 / TR-396
  - Plug & Play (PnP) support
  - Provisioning file with AES encryption
- Customisation
  - Custom default file
- Localisation
  - Languages: German, English, British English, Spanish, Mexican Spanish, French, Canadian French, Italian, Dutch, Polish, Portuguese, Turkish, Greek, Russian
  - Time zone, dial tone
- Diagnostic
  - PCAP trace, Syslog

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 handsets[1]
- 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 handsets[1]
  - 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)

Interoperability[3]

- Certified VoIP partner

Environmental conditions

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

Snom accessories and compatible devices

- PoE injector: A5E (PN 00004679)

[1] Function only available when paired to the M53, M55, M56, M58
[2] Included in bundle M253 / M256
[3] Available separately

- Power adapter: 10W PSU (PN 00004570)
- Handsets: M53 (PN 00004740)[2], M55 (PN 00004629)[3], M56 (PN 00004656)[2]
- DECT desk phone: M58 (PN 00004631)[3]

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

Series overview

| M253 | M256 | M250 | M500 | M53 | M55 | M56 | M58 |

Disclaimer

Further information: M250 webpage | Snom Service Hub M250 | Safety instructions M250 | Short User Manual M253 | Short User Manual M256 | Type approval | Warranty information | Company locations