M100 SC

| DECT | Single-cell system | Shared Call Emulation (SCE) | Power over Ethernet (PoE) | Security (TLS & SRTP) | Directory | OTA Updates |

M100 SC - the compact DECT base station for up to 8 SIP accounts

Up to 10 compatible M10 SC DECT handsets can be operated on the single-cell M100 SC base station, making the system ideal for small office/home office use. The unique Snom 'Shared Call Emulation' feature enables call sharing on all connected M10 SC handsets without programming knowledge or support from VoIP providers. The system can be set-up and maintained both via the web interface and automatically through provisioning. Software updates of the M10 SC are carried out via the DECT interface of the base station, ensuring trouble-free operation at all times. Existing PoE switches can be used to power the base station via the network cable.

Basics
- Product information
  - DECT single-cell base station
  - Colour: black
  - Availability: Bundle Snom M110 SC (Snom M10 SC / Snom M100 SC), EU & UK, PN 00004610
- Placement: indoor, desktop, wall mounting

Dimensions and weight
- Dimensions (H x W x D, approx.)
  - Packaging: 125 mm × 156 mm × 72 mm
  - Base station: 151 mm × 116 mm × 42 mm
- Weight (approx.)
  - Packaging: 331 g
  - Base station: 227 g

Indicators and keys
- 2 LED indicators
  - Power status indication: 1 green LED
  - VoIP status indication: 1 green LED
- 2 hard keys in total
  - Handset localisation, Reset

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

Interfaces and connections
- M100 SC power options
  - Power over Ethernet (PoE)
    - IEEE 802.3af, class 2
  - Power adapter[3]
    - 100 - 240 V AC / 50 - 60 Hz | 5 V DC / 800 mA
- Wired interfaces
  - Power adapter:[3] coaxial power connector (socket)
  - Ethernet 10/100 Mbit/s: RJ45-8P8C socket
- Wireless interfaces
  - DECT

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
- Localization
  - Languages
  - Timezone, dial tone
- Diagnostic
  - PCAP trace, Syslog

DECT technology and features
- Standard: DECT
- Frequency band
  - Europe: 1,880 - 1,900 MHz
- Handsets: up to 10
- Software upgrade over the air (SUOTA)

Interoperability
- Asterisk PBX
- Broadsoft® Broadworks
- Certified VoIP partner[1]

Directory support and call features

- 8 SIP identities / accounts
  - Up to 6 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[2]
- 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[2]
  - N-way network conferencing
  - 3-way local conferencing
- Related features
  - Call history of 200 missed, received, dialed calls
  - Phone book matching for incoming and outgoing calls
  - Shared Call Emulation
  - Call timer (call duration)

Networking technologies and protocols

- Network technologies
  - VLAN (IEEE 802.1Q)
  - OpenVPN
- VoIP related protocols and techniques
  - SIP (RFC 3261), RTP (RFC 8866), STUN (RFC 5389)
- Secure VoIP protocols
  - SRTP (RFC 3711)
- Network protocols
  - IPv4 /IPv6: Static, PPPoE, 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
- Related features
  - DNS Override
  - Mutual authentication
  - Failover support and server redundancy

Environmental conditions

- Operating ambient temperature: 0 °C - 40 °C
- Humidity (non-condensing): < 95 %

Package contents

- Hardware
  - DECT base station M100 SC
  - 1 Ethernet cable
  - Wall mount plate
- Documentation
  - Quick Installation Guide (QIG)

Snom accessories and compatible devices

- Power adapter
  - EU: M100 PSU (PN 00004373)
  - UK: M100 PSU (PN 00004374)
- DECT handset: M10 SC (PN 00004452)
- M110 SC Bundle (PN 00004610)

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Series overview

M100 SC

M10 SC

M110 SC

[1] Features and functionality may vary, depending on SIP service provider and/or SIP phone system platform
[2] Function only available when paired to the M10 SC
[3] Available separately

Disclaimer

Further information: Snom website | Snom Service Hub | Type approval | Warranty information