M500 SCE

| Multicell system | Shared Call Emulation (SCE)[2] | Power over Ethernet (PoE) | Security (TLS & SRTP) | OTA Updates | Directory |

M500 SCE - DECT mobility plus easy call management

With 2 base stations (expandable with planned software update to more) forming a DECT cell for up to 16 phones and 16 parallel calls, the M500 SCE is suitable for medium-sized offices or shops. In addition to the M55 SCE handset with its robust and ergonomic haptics, the M500 SCE also supports the wireless M58 SCE DECT desk phone for mobile office workplaces.

A distinguishing feature is the unique Snom 'Shared Call Emulation' function enabling call sharing on several lines. Calls can be monitored, accepted, held /unheld, and picked up via 6 LED function keys across all registered phones.

Basics

- Colour: white
- Placement: Indoor, desktop, wall mounting
- Product numbers
  - M500 SCE | DECT multicell base station | white | EU & UK | PN 00004628
  - M500 Pro | DECT multicell base station | black | Americas | PN 00004524

Dimensions and weight

- Dimensions (H x W x D, approx.)
  - 175 mm x 123 mm x 38 mm w/o footstand
  - 189 mm x 123 mm x 70 mm with footstand
- Weight (approx.)
  - 307 g

Indicators and keys

- 3 LED indicators
  - 1 dual-colour LED for DECT status indication
  - 1 dual-colour LED for VoIP status indication
  - 1 green LED for power status indication
- 2 dedicated function keys
  - Reset
  - DECT pairing/locator

Audio codecs

- G.711 (A-law, μ-law), G.722, G.726, G.729ab, Opus, iLBC

Interfaces and connections

- M500 SCE power options
  - Power over Ethernet (PoE), IEEE 802.3af, class 3
  - Power adapter: 100 - 240 V AC / 50 - 60 Hz | 5 V DC (SELV) [3]
- Wired interfaces
  - 1 coaxial power adapter connector
  - 2 RJ45-8P8C 10/100 Mbit Ethernet ports [4]
  - 1 USB 2.0 type A port for future expansion
- Wireless interfaces
  - DECT [5]

Interoperability

- Certified VoIP partner

User interfaces and setup

- Configuration and setup via menu-driven web user interface (WUI)
  - Languages: English, French, Spanish, Italian, German, Dutch, Greek, Russian
- Automatic configuration via provisioning
  - Loading of settings and firmware via HTTP / HTTPS / TFTP
  - Zero-Touch provisioning and authentication with Mutual TLS through individual certificate issued by Snom CA
- Localization
  - Timezone, dial tone

Directory support and call features

- Up to 48 SIP identities / accounts
- Directory support
  - LDAP (server-based directory)
  - Central directory on the base station with up to 500 shared entries
  - XML phonebook support
- Related features
  - Shared Call Emulation (SCE) [2]
  - Paging zones / Intercom groups

DECT technology and features

- Standard: DECT [5]
  - Authentication/encryption of base and device
  - Seamless handover and roaming using DECT sychronisation
  - Wideband audio
- Frequency band
  - Europe: 1,880 - 1,900 MHz
  - USA: 1,920 - 1,930 MHz
- Output power
  - Europe: less than 250 mW
  - USA: less than 100 mW
- Coverage
  - Up to 50 m indoor range / 300 m outdoor range
- Base stations
  - Up to 2 per multi-cell installation [1]
- Handsets
  - Up to 10 per single-cell installation
  - Up to 16 per multi-cell installation
- Simultaneous calls per base station
  - Up to 8 narrowband calls / 4 wideband calls
- Related features
  - Software upgrade over the air (SUOTA)

Networking technologies and protocols

- Network technologies
    - VLAN (IEEE 802.1Q)
- Secure VoIP protocols
    - SIPS (SIP over TLS), SRTP (RFC 3711)
- Network protocols
    - IPv4 , DHCP, NTP, LDAP, LLDP-MED, HTTP
- Secure network protocols
    - TLS V1.2, HTTPS

Package contents

- DECT base station unit
- Quick Installation Guide (QIG)

Environmental conditions

- Operating ambient temperature: 0 °C to 40 °C

Accessories

- 00004629 | M55 SCE | DECT handset | EU & UK
- 00004631 | M58 SCE | DECT desk phone | EU & UK
- 00004633 | M500 PSU | EU
- 00004634 | M500 PSU | UK
- 00004526 | M55 | DECT handset | Americas
- 00004528 | M58 | DECT desk phone | Americas

[1] Expandable via software update
[2] Shared Call Emulation: Snom's unique PBX feature emulation for line, hold/unhold and call pick-up
[3] Available separately
[4] 1 port reserved for multicell setup
[5] DECT devices manufactured for the United States and Canada are marketed as DECT 6.0

Series overview

M500 SCE / M500 Pro   M55 SCE / M55   M58 SCE / M58

Disclaimer

For further product information visit: Snom website | Snom Service Hub | Type approval | Warranty information
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