

## C520



DECT



Bluetooth



Power over Ethernet  
(PoE)



Headset connectable



Superior wideband  
sound

### The modern conference solution for companies of all sizes

The C520 conference phone features three sophisticated microphones: One is built into the device together with the full-duplex loudspeaker, while two additional cordless DECT microphones can be freely placed or carried. The C520 microphones include dynamic noise reduction and adaptive feedback control for crystal-clear HD voice transmission, even in large or crowded rooms. For optimal coverage, the microphones synchronise in

real time depending on their position in the room. This technology allows users to move freely around the room without having to raise their voices. In addition, the C520 has a Bluetooth interface with which a headset or PC can be paired. This way, the participants in the room can talk via the C520 to participants using any software running on the PC.

## Basics

- Product information
  - Conference phone C520 | black | PN 00004356
- Placement: indoor, desktop
- Equipment: Two detachable DECT wireless microphones with a range of up to 50 metres

## Dimensions and weight

- Dimensions (L × W × H, approx.)
  - 269 mm × 282 mm × 59 mm
- Weight (approx.)
  - 1.5 kg

## Display and indicators

- Display
  - TFT liquid crystal display (LCD), monochrome, 3 lines, graphical, backlit
  - Resolution: 158 × 57 pixel
- 5 LED indicators
  - Multi-purpose status indication: 3 multicolour LEDs
  - Bluetooth status indication: 2 blue LEDs

## Keypad and function keys

- 29 hard keys in total
  - 3 context-sensitive function keys
  - 12 keys (standard ITU telephone keypad)
  - 4-way navigation key
  - 5 dedicated audio keys
    - Mute (3 keys, 2 with LED)
    - Volume + / -
  - 5 dedicated function keys
    - Hold
    - Cancel
    - Menu
    - Ok
    - Onhook / offhook

## Interfaces and connections

- Power options
  - [Power over Ethernet \(PoE\)](#): IEEE 802.3af, class 3
  - Power adapter:<sup>1</sup> 100 - 240 V AC, 50 - 60 Hz | 12 V DC (SELV), 1 A, 12 W
  - Wireless microphones (DECT): Battery 2 × 2.4 V, 400 mAh, lithium-ion, rechargeable, up to 8 h charging time, up to 70 h standby time, up to 8 h talk time
- Wired interfaces
  - Power adapter: coaxial power connector (socket)
  - Network connectivity: RJ45-8P8C socket → Ethernet 10/100 Mbit/s
- Wireless interfaces
  - PC | Mobile phone | [Headset connectivity: Bluetooth](#)
  - Wireless microphones: DECT

## Audio devices, codecs and features

- Casing speaker
  - Full duplex
  - Speakerphone mode
- Casing microphone
- Wireless microphones (DECT)
- Audio codecs
  - G.711 (A-law,  $\mu$ -law), G.722, G.726, G.729
- Dual-tone multi-frequency signalling (DTMF / RFC2833)
  - SIP-INFO, in-band, out-of-band
- Related features
  - Echo suppression
  - Comfort Noise Generator (CNG)
  - Automatic gain control (AGC)

## User interfaces and setup

- Configuration and setup via menu-driven phone user interface (PUI)
- Configuration and setup via menu-driven web user interface (WUI)
- Automatic configuration via provisioning
  - Loading of settings and firmware via HTTP, HTTPS, TFTP
  - Supported DHCP provisioning options 66, 159, 160
  - Secure Redirection And Provisioning Service (SRAPS) support
  - Plug & Play (PnP) support
  - Regular or weekly settings synchronisation
  - Password-protected configuration files
- Localization
  - Time zone, Languages, dial tone

## Directory support and call features

- 3 SIP identities / accounts
- Directory support
  - LDAP (server-based directory)
  - Local directory with up to 200 entries
  - XSI (Xtended Services Interface, server-based directory)
- Outgoing call features
  - Speed dialling via function keys
  - Local dial plan
  - Caller identification (CLIP)
  - Calling Line Identification Restriction (CLIR)
- Incoming call features
  - Call waiting/swapping
  - Call barring/blocking
  - Call diversion
  - Do Not Disturb (DND) mode
- Connected call features
  - Hold
  - 2+1 local conferencing
- Call history lists: up to 200

## Networking technologies and protocols

- Bluetooth
  - Hands-Free Profile (HFP) 1.6, Headset Profile (HSP) 1.2, Advanced Audio Distribution Profile (A2DP) 1.2, Audio/Video Remote Control Profile (AVRCP) 1.4
- DECT
  - Frequency band (EMEA): 1,881 - 1,897 MHz
  - Up to 50 m indoor range
- VLAN (IEEE 802.1q)
- VoIP related protocols and techniques
  - SIP, SDP, RTP, RTCP, STUN
- Secure VoIP protocols
  - SIPS (SIP over TLS), SRTP
- Network protocols
  - DHCP, LDAP, LLDP-MED, HTTP, TFTP, SNMP
- Secure network protocols
  - TLS V1.2, HTTPS, IEEE 802.1X support

## Interoperability

- Interoperable with all major IP-PBX platforms
- Certified VoIP partner

## Snom accessories and compatible devices

- Speakerphone
  - DECT: up to 3 × C52-SP (PN 00004357)
- Headset connectivity (BT)

## Package contents

- Hardware
  - Conference phone C520
  - 2 wireless microphones (DECT)
  - 2 batteries
  - 2 Ethernet cables

- Power adapter
- Documentation
  - [Quick Installation Guide](#)

## Environmental conditions

- Operating ambient temperature
  - -5 °C - +45 °C
- Nonoperating (storage) temperature
  - -5 °C - +60 °C
- Humidity (non-condensing)
  - 5 % - 95 %

## Series overview



C52-SP



C520



C620



C300

## Disclaimer

Further information: [Snom C520 webpage](#) | [Snom Service Hub](#) | [Type approval](#) | [Warranty information](#) | [Company locations](#)

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