SP800

USB port

Headset connectable

HD audio

Security (TLS & SRTP)

OpenVPN

The perfect solution for anyone who has to make calls without a phone

Snom SP800 (without display or keypad) is the ideal solution for businesses that want to securely connect their employees via remote desktop or soft client to the cloud without compromising on perfect audio quality. Equipped with the features of a D862 desk phone, the SP800 guarantees the familiar first-class Snom audio experience for users without compromising on security. Even in the most demanding scenarios, voice transmission remains clear and understandable.

Basics

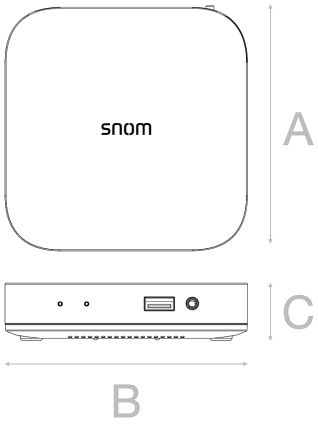
- Product information
  - IP desk phone terminal SP800 | gunmetal black | PN 00004641, EAN 4262377560280, UPC 810100350284
  - Operating system: Linux
- Placement
  - Indoor, wall mounting[1]

Dimensions and weight

- Dimensions
  - A → 110 mm
  - B → 110 mm
  - C → 30 mm

Weight (approx.)

- 145 g



Indicators and keys

- 2 LED indicators
  - Call status indication: 1 green LED
  - Power status indication: 1 red LED
- 1 dedicated function key: Reset

Audio devices, codecs and features

- Audio codecs
  - G.711 (A-law, µ-law), G.722, G.723.1, G.726, G.729, Opus
- Dual-tone multi-frequency signalling (DTMF / RFC2833):
  - SIP-INFO, in-band, out-of-band
- Related features
  - Comfort Noise Generator (CNG)
  - Voice Activity Detection (VAD)
  - Audio response time
  - Adaptive jitter buffer
  - Packet loss concealment (PLC)

Interfaces and connections

- Power options
  - Power over Ethernet (PoE): IEEE 802.3af, class 3 | IEEE 802.3az[4]
  - Power adapter:[1] 100 - 240 V AC, 50 - 60 Hz | 5 V DC (SELV), 2 A, 10 W[1]
- Wired interfaces
  - Power adapter: coaxial power connector (socket)
  - Network connectivity: 2 × RJ45-8P8C (PC/NET) sockets → Gigabit Ethernet (GbE)
  - USB headsets and other accessories:[3] 2 × USB 2.0 type A ports
  - Headset: 3.5 mm miniature audio jack
  - Maintenance (Snom): RJ12-6P6C (EHS) socket

Networking technologies and protocols

- Network technologies
  - OpenVPN, VLAN (IEEE 802.1q)
- VoIP related protocols and techniques
  - SIP, SDP, RTP, RTCP, RTCP-XR, SIP REFER method (RFC 3515), rport (RFC 3581), ENUM, ICE, STUN
- Secure VoIP protocols
  - SIPS (SIP over TLS), SRTP, SRTCP
- Network protocols
  - IPv4 / IPv6 (dual stack), DHCP, NTP, LDAP, LLDP-MED, HTTP, TFTP, L2TP
- Secure network protocols
  - TLS V1.3 incl. ciphers (forward secret & authenticated), HTTPS, IEEE 802.1X (EAP-TLS - RFC 5216)
- Remote management protocols
  - TR-069, TR-069 Annex G (formerly TR-111), TR-369 (USP), uaCSTA over SIP, CSTA over HTTP(S)

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User interfaces and setup

- Configuration and setup via menu-driven web user interface (WUI)
  - Visual and functional UX based re-design (phone manager)
  - Password-protected login
  - Secure web server/client (HTTPS)
- Computer telephony integration (CTI)
  - uaCSTA over SIP, CSTA over HTTP(S)
- Automatic configuration via provisioning
  - Loading of settings and firmware via HTTP, HTTPS, TFTP
  - Supported DHCP provisioning options 43 / 60 / 66 / 67
  - Secure Redirection And Provisioning Service (SRAPS) support
  - Remote management via TR-069 / TR-069 Annex G (TR-111) / TR-369
  - Plug & Play (PnP) support
- Localisation
  - Languages
  - Time zone, dial tone
- Diagnostic
  - SIP / PCAP trace
  - Syslog

Directory support and call features

- 8 identities / accounts
- Directory support
  - LDAP (server-based directory)
  - Local directory with up to 10,000 entries
  - Import/export phone book (CSV, XML)
- Outgoing call features
  - URL dialling
  - Local dial plan
  - Automatic redial on busy
  - Caller identification (CLIP)
  - Calling Line Identification Restriction (CLIR)
  - Call completion (busy/unreachable)[2]
- Incoming call features
  - Call waiting/swapping
  - Auto answer
  - **Call barring / blocking:** deny list, dynamic central blacklist check[2], anonymous calls
  - Call diversion
  - Call deflection

Package contents

- Hardware
  - IP desk phone terminal SP800
  - Ethernet cable: 1.5 m
- Documentation
  - **Quick Installation Guide**

Interoperability

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Environmental conditions

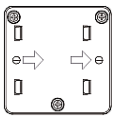
- Operating ambient temperature:
  - 0 °C - +35 °C
- Nonoperating (storage) temperature:
  - -10 °C - +45 °C
- Humidity (non-condensing):
  - 5 % - 95 %

Snom accessories

- Power adapter 10 W PSU (PN 00004570)

- PoE injector A5E (PN 00004079)

- **Wall mount kit** SP800 WMK (PN 00004657)



Compatible Snom devices

- Wired headset via USB
  - Binaural: A330D (PN 00004598)

  - Monaural: A330M (PN 00004597)

- BT headset via Bluetooth dongle
  - Binaural: A350D (PN 00004795)

  - Monaural: A350M (PN 00004658)

- Wireless conference speakerphone (USB) C300 (PN 00004584)

[1] Available separately
[2] If supported by PBX
[3] Please check compatibility list
[4] Optional via software

Series overview (Special application devices)

PA1+

SP800

E303/E303A

Disclaimer

Further information: SP800 webpage | **Snom Service Hub** | **Type approval** | **Quick Installation Guide** | **User manual** | **Warranty information** | **Company locations**

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