

Essential IP Phones for Business Communication

- 2.4-inch backlit color LCD
- Dual SIP account support
- HD voice with noise reduction
- Optional 2.4G & 5.8G WiFi
- Remote address book management (LDAP)
- TLS & SRTP encryption, OpenVPN support
- Compact and elegant design

Synway SWP102 is tailored for small and medium-sized enterprises, combining a clean design with intuitive operation and advanced features to deliver an efficient, intelligent communication experience.



TLS & SRTP



OpenVPN



5-party
Conference



HD audio



DSS
Expansion



Address book

Key Features and Benefits

- Dual SIP line support for flexible and efficient call handling.
- 2.4-inch backlit LCD delivers sharp and vivid visual experience.
- 13 programmable keys simplify daily operations and enhance productivity.
- Supports 5-party conference calls for seamless team collaboration.
- Equipped with a full set of advanced call features to meet diverse office needs.
- Integrated OpenVPN, TLS, and SRTP encryption ensures secure and reliable communication.
- Built-in LDAP for centralized remote address book management, enabling easy contact synchronization and improved communication efficiency.
- DSS expansion module supports speed dialing and real-time user status monitoring.
- Supports PoE power supply and optional 2.4G/5.8G WiFi, offering greater flexibility in workspace setup.
- HD Voice Quality: Advanced noise reduction technology delivers crystal-clear, face-to-face-like call experiences.

SWP-102 Series Models - Optional Configurations

Model	Network	PoE	DSS Expansion	Power Adapter
SWP-102M	10/100M	✓	✓	Optional
SWP-102G	10/100/1000M	✓	✓	Optional
SWP-102W	10/100M & WiFi	✓	✓	✓

Physical Specification:

Phone Functionality

- Support for 2 simultaneous SIP lines for managing multiple calls.
- Multi-language supported
- Caller ID display with both name and number.
- Customizable keys for DSS, BLF monitoring, hotline, and speed dial.
- Operate in handle, hands-free, or headset mode.
- Call hold, mute, blind transfer, inquiry transfer, DND, call forwarding, and call waiting.
- Features such as multicast, intercom, text messaging, keypad lock, emergency calls, direct IP calls, redial, callback, and auto-answer.
- Five-party conference support, line sharing, and dialing rules.
- Choice of 10 built-in ringtones, with the option to upload custom ringtones.
- Manual or automatic synchronization of network time.
- Action URLs and URIs for advanced integration.

Audio Characteristics

- HD handle and hands-free audio for high-fidelity sound.
- Broadband codecs: G.722, Opus.
- Narrowband codecs: G.711, G.723.1, G.729AB, G.726, iLBC.
- DTMF support: In-band, Out-of-band (RFC 2833), and SIP INFO.
- Full-duplex hands-free communication.
- Acoustic echo cancellation (AEC), voice activity detection (VAD), comfort noise generation (CNG), packet loss compensation (PLC), background noise detection (BNE), automatic gain control (AGC).
- Dynamic adaptive RTP jitter buffer (up to 300 ms).

Address Book

- Blacklist management.
- Supports XML/LDAP address book with smart contact search.
- Export/import contacts.
- Local storage for up to 1,000 contacts.
- Call history including dialed, received, missed, and forwarded calls (up to 1,200 records).

IP PBX Features

- BLF, voice message support.
- Anonymous call management, rejection, call park, and call pickup.
- Server-based recording functionality.

Configuration & Maintenance

- Web configuration and phone menu configuration for easy setup.
- Supports automatic deployment via FTP/TFTP/HTTP/HTTPS/SIP PnP/TR-069.
- BIN/CFG configuration options and contact configuration export/import.
- Network packet capture and diagnosis tools available.
- Options for custom or full factory restore.

Network

- Supports IPv4, IPv6, and both.
- Flexible IP address allocation via Static IP or DHCP.
- VLAN support and data link layer protocols: CDP/LLDP.
- SIP v1 (RFC2543) and v2 (RFC3261) support, with redundant server capabilities.
- ICE, STUN, UDP/TCP/TLS transmission, and SRTP encryption protocol support.
- Anti-attack SIP trust server and security features like HTTPS, TR-069, OpenVPN, IEEE802.1X, and encrypted configuration files.
- Optional Wi-Fi support (2.4G & 5G).
- QoS support: VLAN tagging (802.1p/Q), Layer 3/ToS/DSCP, RTCP-XR, and VQ-RTCPXR.

Phone Interface

- 1 x RJ-9 headset interface, 2 x RJ-45 10/100/1000M Ethernet ports, USB 2.0 interface, DC power interface.
- 2 SIP line keys with LED, 4 soft keys, 12 standard number keys, 6 function keys, 5 navigation keys, and volume adjustment keys.
- Desktop or wall-mounted installation options.

Product Specifications

- 2.4-inch LCD with backlight (132x64).
- Desktop size: 187mm*184mm*147mm.
- Power consumption: 2~3W (PoE support, IEEE 802.3af/at).
- Operating conditions: Humidity: 10~95%, Temperature: -10~50°C (+14~122°F).

Packaging Information

- Contents: SWP-102 IP phone, Ethernet cable, handle, base, quick start guide, power adapter (AC 100~240V, DC 5V/1000mA).
- Packing: 10 units per carton, gross weight: 9.5 kg, box size: 535 mm × 410 mm × 230 mm, color box size: 211 mm × 195 mm × 100