

Portable Wireless IP Phone

- Supports 4G LTE and Wi-Fi (2.4GHz & 5GHz).
- Allows seamless movement between networks for uninterrupted calls.
- High-definition display with smooth, colorful icons for an enhanced user experience.
- Extended battery life for all-day usage without frequent charging.
- Reliable and secure operating system for smooth functionality.
- Ideal for mobile communication in various environments

The SWP-P02W is a portable wireless IP phone designed to provide seamless communication across various environments. Featuring both 4G LTE and Wi-Fi support, this phone ensures reliable connections whether you're on the move or stationary. With its compact design, long standby time, and a user-friendly 2.4-inch color LCD screen, it's an ideal solution for mobile communication in dynamic workspaces, such as call centers, warehouses, and remote offices. Equipped with a Linux system, it offers smooth performance and security, making it a versatile and efficient tool for modern communications.



Key Features and Benefits

- Supports both 2.4GHz & 5GHz Wi-Fi (802.11 a/b/g/n) and full Netcom 4G LTE SIM cards for flexible wireless communication.
- Allows simultaneous registration of two SIP accounts, ideal for managing multiple call lines.
- Long-lasting battery provides up to 48 hours of talk time, ensuring uninterrupted mobile communication.
- Features a 240×320 TFT screen with clear UI and colorful icons for easy navigation and call control.
- Supports HD hands-free and headset modes, along with codecs like G.722, Opus, G.729AB, G.711, and more.
- Built-in support for 5-party conference calls enhances collaboration and team communication.
- Includes TLS, SRTP, 802.1x, AES 256-bit encryption, and multi-level user access control.
- Offers instant group communication features suitable for field teams, healthcare, and emergency response.
- Supports remote provisioning, firmware upgrades, and bulk deployment for large-scale use.
- Ruggedized body rated for 1.3m drop protection, ideal for mobile and industrial environments.

Model	SWP-P02W	SWP-P02L	SWP-P02WL
Network	Wifi	4G LTE	Wifi & 4G LTE

Physical Specification:

Network & Protocols

- VoIP & SIP: SIP (RFC3261), RTP/RTCP, STUN, SIMPLE
- Network: TCP/IP, UDP, ARP, ICMP, DNS (A, SRV, NAPTR), DHCP, TFTP, NTP, HTTP/HTTPS, IPv6, LLDP-MED
- Security: TLS, SRTP, 802.1x
- Device Management: TR-069, LDAP

Audio Features

- HD Audio: Wideband (G.722, Opus), Narrowband (G.711 A/μ, G.723.1, G.729AB, G.726, iLBC)
- DTMF: In-band, RFC2833, SIP INFO
- Enhancements: AEC, VAD, CNG, PLC, BNE, AGC, 300ms Adaptive Jitter Buffer
- Speakerphone: Full Duplex Hands-Free

Display & UI

- 2.4" TFT Color Display (240×320)
- Smooth, colorful icon interface

Wireless & Connectivity

- Built-in Wi-Fi: 802.11 a/b/g/n (2.4GHz & 5GHz)
- 4G LTE Full Netcom, Nano SIM (12.3 × 8.8 mm)
- Type-C USB port for power and data

Keys & Controls

- 2 Soft Keys (Top Left & Right)
- Dial, Hang-Up, Speaker, Mute, Transfer, Delete, Voicemail Keys
- 12-key Keypad, 5 Navigation Keys, Volume +/- Keys

Telephony Features

- Push-to-Talk (PTT), Emergency Call
- Call Hold, Transfer, Forwarding, Waiting
- 5-Party Conference
- Off-Hook Auto Dial, Auto Answer
- Flexible Dialing Rules, Personalized Ringtones
- Call Log: 1200 records; Phonebook: 1000 entries (XML/LDAP)

Security

- MD5 / MD5-sess Authentication
- TLS & SRTP Call Encryption
- 256-bit AES Encryption
- User/Admin Password Levels
- 802.1x Access Control

Configuration & Management

- Web UI, Plug & Play
- TFTP/HTTP/HTTPS Upgrade
- Remote Deployment: TR-069, AES-encrypted XML
- FOTA (Firmware Over The Air)

Power & Battery

- 2000mAh Li-ion Battery
- Talk Time: Up to 48 hours
- Power Adapter: 100–240V AC Input / 5V DC, 1A Output

QoS & Performance

- 802.11e Wi-Fi QoS
- Layer 3 QoS (ToS, DiffServ, MPLS)

Physical & Environmental

- Device Size: 153 × 55 × 15 mm
- Charging Base Size: 85 × 62 × 86.7 mm
- Weight: Handset: 0.14 kg / With Base: 0.26 kg
- Drop Resistance: 1.3 meters
- Temperature: Operating: 0 ~ 45°C; Storage: -20 ~ 60°C
- Humidity: 10 ~ 90% RH (non-condensing)

Multi-Language Support

- Simplified/Traditional Chinese, English, French, Spanish, Arabic, Russian, Japanese, Korean, Hindi, Turkish, German, Portuguese, Thai, Polish, Farsi, Vietnamese (18 total)

Packaging

- Handset, Charging Base, Adapter, Type-C Cable, Lithium-ion Battery, Quick Start Guide, Belt Clip