Your carrier's own softphone.

SipPulse Softphone brings voice, video and messaging to your subscribers' phones, computers and browsers. Built on PJSIP for carrier-grade reliability, it integrates with SipPulse SoftSwitch and with any standards-based SIP platform, under the SipPulse brand or yours.

PJSIP 2.14	White label	Push RFC 8599	Unlimited
carrier-grade SIP engine	your brand in the stores	calls with the app closed	users and installs

THE CHALLENGE

Subscribers want to call from anywhere

Third-party apps

A generic softphone carries another vendor's brand and is one more integration to maintain.

Missed calls

Without push, the phone only receives calls while the app is open, and keeping it open all the time drains the battery.

Many platforms

Android, iOS, desktop and browser: each platform is its own development, publishing and maintenance project.

THE SOLUTION

How SipPulse Softphone solves it

Your brand in the stores

In white label mode the app gets the carrier's name, icon and colors, and is published on Google Play and the App Store under your brand.

The call always gets through

Standard RFC 8599 push (FCM on Android, APNs on iOS) wakes the device for incoming calls, even with the app closed, with low battery use.

Automatic provisioning

SIP credentials, codecs and brand defaults reach the app over HTTP/HTTPS, in XML. The end customer configures nothing.

Secure voice, video and messaging

HD voice with Opus and G.722, H.264 and VP8 video, instant messaging (SIP MESSAGE), TLS signaling and SRTP media.

DIFFERENTIATORS

Why SipPulse Softphone

1. **A carrier-grade engine**
   PJSIP 2.14, with codec negotiation, NAT traversal (STUN, ICE, rport) and native TLS and SRTP.
2. **Native calls on Android**
   With ConnectionService, calls show on the lock screen, use Bluetooth headsets and integrate with the system phone app.
3. **No per-user license**
   Unlimited users and installs, with no per-seat license.
4. **One vendor for the stack**
   SipPulse Softphone, SBC and SoftSwitch; on the web, WebRTC through the Janus Gateway integrated with the SoftSwitch.

WAYS TO USE IT

Three ways to offer the softphone

SipPulse app

Download now

SipPulse Softphone, free, for iOS, Android, Windows and Linux.

White label

Carriers and providers

The app with your brand's name, icon and colors, published in the stores.

Web

No installation

The browser version, over WebRTC: subscribers call without installing anything.

FEATURES

What comes with the Softphone

Voice and video

- HD voice: Opus, G.722, G.711
- iLBC, GSM and Speex
- H.264 and VP8 video
- Configurable codec priority
- Echo cancellation
- Noise suppression
- DTMF (RFC 2833 and SIP INFO)

Calls

- Hold, resume and mute
- Transfer (SIP REFER)
- Speakerphone
- Do not disturb
- History and contacts
- Messaging (SIP MESSAGE)

Security

- TLS signaling
- SRTP media
- Encrypted credentials
- Certificate validation

Provisioning

- Automatic over HTTP/HTTPS
- XML configuration
- Per-account configuration
- Codecs set by provisioning
- Brand defaults: server and proxy

Push and Android

- RFC 8599 push
- FCM (Android) and APNs (iOS)
- Wakes the closed app
- ConnectionService: native screen
- Bluetooth headsets

Platforms

- Android and iOS
- Windows and Linux
- Browser (WebRTC)
- White label in the stores

TECHNICAL

Specifications

Platforms	Android, iOS, Windows, Linux and browser (WebRTC)
SIP engine	PJSIP 2.14 (mobile and desktop); JsSIP with WebRTC (web)
Transport	SIP over UDP, TCP and TLS; SIP over WebSocket (WSS) on the web
Audio codecs	Opus, G.722, G.711 (PCMU/PCMA), iLBC, GSM, Speex
Video codecs	H.264, VP8
NAT traversal	STUN, ICE, rport (RFC 3581)
Security	TLS for signaling, SRTP for media, encrypted credentials
Push	RFC 8599: FCM (Android) and APNs (iOS)
Provisioning	HTTP/HTTPS with XML, per-account configuration
Licensing	Free SipPulse app; white label by monthly subscription, with branding, store publishing and maintenance; discount for SoftSwitch and hosted PBX customers.

More than 200 carriers trust SipPulse.

Download the app on the product page, or ask for a softphone with your brand.

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