

# CiceroSupra

## OTT VoIP



CiceroSupra is an over-the-top (OTT) mobile VoIP client which enables carriers to offer own-branded OTT voice, messaging and video services to their subscribers simply and cost effectively. Optimised for mobile devices, CiceroSupra is designed to intelligently route calls and messages over different networks including Wi-Fi, 3G, 4G, GSM and CDMA. It can be configured for VoIP only or as a dual-mode dialler routing calls over circuit-switched when IP is not available.

### Instant Messaging

CiceroSupra enables chat-style instant messaging with other subscribers over Wi-Fi or cellular IP connections. Messages can be exchanged between individuals or groups of subscribers. It also supports a standard set of emoticons and allows users to share files and pictures with other session participants.

### Video Chat

In addition to voice calls, CiceroSupra supports two-way video communication over IP connections. Using either the front or rear-facing camera, it supports both full-duplex calls and see-what-I-see video streaming. In each case, the user can see what they're sending in a thumbnail window on their own device. Supporting both H.264 and VP8, CiceroSupra is designed to interoperate with other standards-compliant end-points.

### Carrier Benefits

**Fixed-line and cable operators** can un-tether fixed-line services to make them available outside the home from subscribers' own mobile devices. Using CiceroSupra to extend fixed-line service can increase origination and termination revenues while reducing the cost of calling from the mobile and delivering a value-added service to subscribers.



*CiceroSupra on Android and iOS*

**For mobile operators**, CiceroSupra enables the delivery of PBX-style services to corporate, SME and SOHO users. This can be done using the mobile number or an office number, all from a single handset. In the consumer market, CiceroSupra provides an easy vehicle for mobile operators to offer pure OTT services or to provide access to core mobile services from outside the operator's own network footprint.

### What Makes CiceroSupra Stand Out

- ▶ Simple to use
- ▶ Easy to deploy
- ▶ Designed for carriers
- ▶ VoIP only or Dual-mode
- ▶ Superior audio quality
- ▶ Wi-Fi/3G/LTE roaming
- ▶ Intelligent NAT traversal
- ▶ Secure (TLS, SRTP, DTLS, VPN)
- ▶ Multiple platform support

## CiceroSupra Benefits

### Simple, Easy to Use

CiceroSupra is designed for use by people with no technical expertise or knowledge of Voice over IP. The user interacts with CiceroSupra in the same way as when using the native phone applications.

### Reliable, High Quality Voice Calls

CiceroSupra is a mature, stable client that delivers high quality voice calls over IP connections. It is designed for mobile devices with limited capacity operating in dynamic and unmanaged network environments.

### Easy to Deploy

CiceroSupra is very easy to deploy. The softphone can be downloaded from app markets such as Google Play or the App Store or from the service provider's own website (Android only). When used alongside the Cicero Provisioning Server, settings are easily updated and delivered over the air without any user involvement.

### Standards-based, Open, Interoperable Client

CiceroSupra works with the leading industry-standard SIP & IMS platforms, SBCs, media gateways and IP PBXs.

### Branding

CiceroSupra can be fully branded and customised according to the carrier's specific requirements.

## Specifications

### Operating Systems

Android, iOS, Windows Mobile

### Connectivity:

Wi-Fi, 3G, LTE, GSM, CDMA

### Codecs\*:

G.711a-law; G.711 u-law; iLBC; GSM; G.729, AMR-WB, OPUS, Silk, H.264, VP8

\* certain codecs incur additional license fees

## Features

### Telephony

- ▶ Dial, Hang-up, Redial
- ▶ Call Hold
- ▶ Call Waiting
- ▶ Multiple Calls
- ▶ Short Code Dialing
- ▶ Mute
- ▶ Speaker
- ▶ Touch Tones (DTMF)
- ▶ Caller ID
- ▶ Do-not-Disturb

### Instant Messaging

- ▶ Conversation-style messaging
- ▶ Multiple threads
- ▶ Multiple recipients
- ▶ Messages routed over Wi-Fi or 3G/4G
- ▶ Smileys/emoticons
- ▶ Content sharing

### Video Chat

- ▶ Full-duplex video calling
- ▶ Person-to-person chat
- ▶ See-what-I-see video

### Phonebook

- ▶ Phonebook integration
- ▶ Call history logs
- ▶ Add/remove/edit contact

### Additional Features

- ▶ Automatic activation
- ▶ Automatic provisioning
- ▶ Automatic start-up
- ▶ Subscriber indication
- ▶ Multi-language support
- ▶ Acoustic echo cancellation/suppression
- ▶ Noise reduction
- ▶ In-call codec re-negotiation
- ▶ NAT traversal
- ▶ Logging and error reporting
- ▶ Data security (SRTP, TLS, DTLS, VPN)

### Third-party Interfaces

- ▶ Amazon Simple Notification Service
- ▶ Apple Push Notification Service
- ▶ Google Cloud Messaging



### About Cicero Networks

Cicero Networks is a leading provider of mobile VoIP, converged messaging and video solutions for carriers and other communication service providers. Designed to utilize multiple wireless networks including Wi-Fi, 3G and LTE, Cicero also supports seamless in-call roaming between Wi-Fi and circuit switched networks. Running on the leading OS including Android, iOS, Windows Mobile, Cicero's clients are interoperable with the industry leading SIP/IMS platforms. For further information visit [www.ciceronetworks.com](http://www.ciceronetworks.com)