GIPS VoiceEngine Mobile™

Quality Voice for Mobile Devices

Comprehensive packaged solution for developers of mobile applications

· Software plug-in with high-level API
· Best quality and most robust solution available
· Field-proven and designed specifically for mobile VoIP applications
· Complex speech enhancements including echo and noise suppression
· Optimized for the latest VoIP enabled mobile devices[1]

Solves voice quality issues

Mobile environments present developers of VoIP applications with a unique set of obstacles- from network difficulties to device limitations. But thanks to GIPS VoiceEngine Mobile, developers no longer need to worry about such issues as network degradation, acoustic echo and background noise.   By implementing VoiceEngine Mobile, companies can leverage Global IP Solutions' patented technologies and expertise to rapidly bring voice-enabled mobile applications to market.

Optimized to solve issues unique to mobile VoIP environments

· WiFi or WLAN network congestion
· Operating systems not designed for VoIP communications
· Unique audio interfaces for each device
· Poor device acoustics, echo and background noise

Simplified integration

GIPS VoiceEngine Mobile provides developers with the necessary interfaces and components to implement voice on any mobile application via a single, high-level API. No additional 'plumbing' is needed, allowing developers to focus on core application development rather than the complex integration and tuning of sound processing software. And because GIPS is on the cutting edge, developers can be certain that VoiceEngine Mobile will be available for the latest dual mode phones and PDAs.

Get to market quickly with the right quality

GIPS VoiceEngine Mobile is available in several configurations: GIPS VoiceEngine Mobile for Windows, VoiceEngine Mobile for Symbian, Apple iPhone and VoiceEngine Mobile for OSE. All three versions support narrowband and wideband audio, operate on a variety of platforms and are optimized for a number of devices. GIPS also offers solutions for manufacturers of mobile devices through its VoiceEngine Embedded product offering. The result – industry-leading voice quality and rapid time to market for application developers and device manufacturers.

World class partners

To guarantee that GIPS remains on the leading edge of mobile product development and innovation, we are members of the Symbian Platinum Partnership Program and the OSE Alliance Program.

GIPS VoiceEngine Mobile

Feature	GIPS VoiceEngine Mobile[1] for Windows	GIPS VoiceEngine Mobile[1] for Symbian	GIPS VoiceEngine Mobile[1] for iPhone	GIPS VoiceEngine Mobile[1] for OSE
Same high level API on all platforms	✔	✔	✔	✔
Low latency and high packet loss robustness with GIPS NetEQ and GIPS codecs	✔	✔	✔	✔
GIPS narrowband and wideband codecs	✔	✔	✔	✔
Standard narrowband and wideband codecs	Optional	Optional	Optional	Optional
Send DTMF	✔	✔	✔	✔
VAD/DTX/CNG	✔	✔	✔	✔
Push-to-talk	✔	✔	✔	✔
Multiple channel support (call waiting etc.)	✔	✔	✔	✔
Microphone and speaker volume controls	✔	✔		
Volume Scaling	✔		✔	
Mute	✔	✔	✔	
Compatible with any call setup protocol (e.g. SIP, H.323)	✔	✔	✔	✔
RTP Handling or support for customer specific media transport protocol	✔	✔	✔	✔
RTCP and statistics	✔	✔	✔	
SRTP	✔	✔	✔	
Support for addition of external encryption technology	✔		✔	
Voice Quality Enhancement				
- Acoustic Echo Suppression	✔		✔	
- Noise Suppression	✔	✔	✔	✔
- Automatic Gain Control	✔		✔	
- High Pass Filter	✔	✔	✔	✔
Support for Windows Mobile 6.1, Windows Mobile 6.0, Windows Mobile 5.0	✔			
Support for S60 3rd Edition		✔		

1. Options may be limited by OS or hardware configuration

For solutions for mobile device manufacturers and hardware vendors, please consult the GIPS VoiceEngine Embedded datasheet

GIPS VoiceEngine Mobile - Windows

* Optional components in GIPS VoiceEngine