

GIPS VoiceEngine™ PC

Quality Voice for PC Environments

GIPS VoiceEngine PC is a comprehensive, packaged solution for VoIP applications developers:

- Software plug-in with high-level API
- Best quality and most robust solution available
- Field-proven high quality solution
- Complex speech enhancements including echo cancellation and noise suppression
- Specifically designed for VoIP

Accelerate time-to-market and reduce development costs

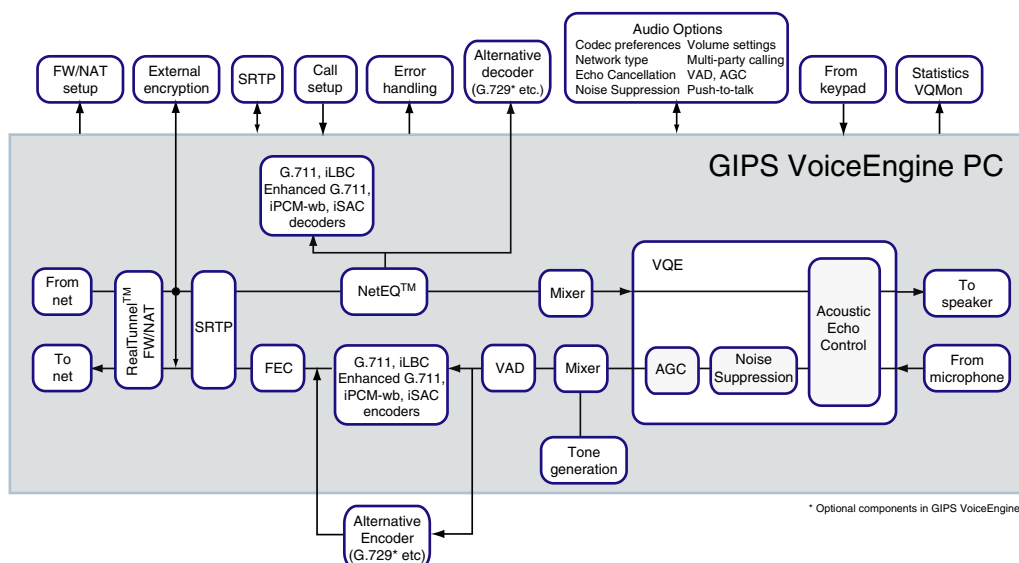
Developers no longer need to worry about solving complex issues- such as the lack of real-time operating systems, sound card management, clock drift and network degradation- that affect voice quality on the PC . By implementing VoiceEngine PC, companies can leverage Global IP Solutions' patented technologies and expertise to rapidly bring voice-enabled applications to market.

Simplified integration of sound-processing software

GIPS VoiceEngine PC provides developers the necessary interfaces and components to implement voice on any soft-client 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.

Flexibility and rich feature set

GIPS VoiceEngine PC supports narrowband and wideband audio, operate on a variety of platforms and include GIPS MediaWare modules that mitigate the effects of packet loss and delay. The result - industry-leading voice quality.





GLOBAL IP SOLUTIONS

GIPS VoiceEngine™ PC

Features

- Same high level API on all platforms
- Low latency and high packet loss robustness with GIPS NetEQ and GIPS codecs
- Standard narrowband and wideband codecs (optional)
- Forward Error Correction (FEC), RFC 2198
- Send DTMF
- VAD/DTX/CNG
- Push-to-talk
- Multiple channel support (call waiting etc.)
- Recording - Entire call
- Recording - Microphone or specific audio channel
- Sound device selection
- Speech level indicator
- Microphone and speaker volume controls
- Compatible with any call setup protocol (e.g. SIP, H.323)
- RTP Handling or support for customer specific media transport protocol
- RTCP and statistics
- Telchemy VQMon support
- SRTP
- Support for addition of external encryption technology
- Voice Quality Enhancement
 - Acoustic echo suppression
 - Acoustic echo cancellation including Tuning wizard and Automatic echo detection on/off
 - Noise Suppression
 - Automatic gain control
- Multi-party calling (between 3 and 5 participants)
- Video synchronization
- Support for Windows 2000, 2003, XP, Vista, Mac OS X, and Linux¹

1. Linux OSS and ALSA sound interface supported

The GIPS portfolio includes the following speech codecs: G.711 A-law and μ -law (narrowband), GIPS Enhanced G.711 (nb), GIPS iLBC (nb), GIPS iPCM-wb (wideband), GIPS iSAC (wb).