



## VoiceGuard™ Client SDK (Software Development Kit)

 [datasheet](#)

### Outline

The award-winning VoiceGuard™ Client SDK is powerful and highly versatile programming kit that forms basis of widely used VGSC, designed to incorporate voip anti-blocking capability into existing legacy softphone and dialer running on Windows. It includes all the components developers require including an entire VGSC GUI application source code that demonstrate efficient API usage, and detailed document. The SDK is an IETF standard compliant, and provides high performance API layer for full user control and flexibility.

The VoiceGuard™ Softphone SDK is unique member of VoiceGuard™ family of VoIP anti-blocking solution, designed to dramatically accelerate development of softphone or dialer with necessary bypassing VoIP blocking imposed by ISP.

### Products developed with toolkit include:

- Softphone
- Dialer
- Session Border Controllers
- IM Client
- B2BUA
- Videophone

### Key Benefits

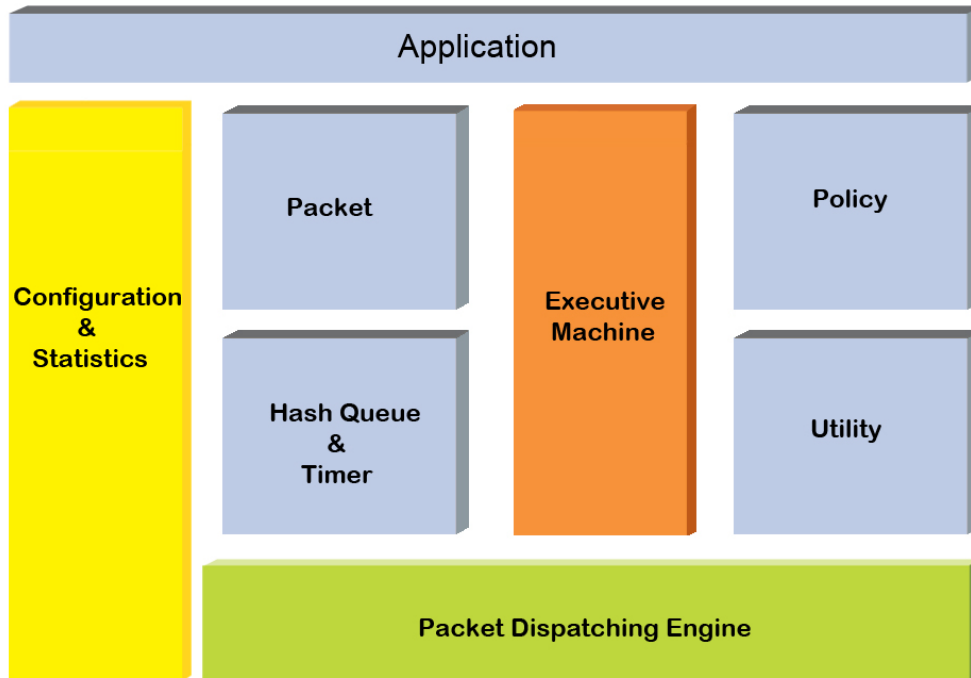
- Seamless Integration with Legacy Softphone or Dialer
- Minimal Overhead and High Call Quality
- Easy to Use and Cost-effective
- Flexible Scalability
- Highly Interoperable with any Third-party Products and Services
- Own Unique Brand or Logo Presentation
- Unlimited Call Session Number and Free Deployment
- No additional Setup
- Royalty-free License Scheme
- One-time Entry Investment only
- No Recurring Payment upon month/Quarter/Year Usage
- Freely available VGPlugin Lite(50 calls) included

### Features

- High Throughput Packet Dispatching Engine
- Flexible Encryption/Decryption Algorithm other than usual XOR and Diffthan
- Support for Adaption to NAT/FW Traversal
- Kernel Level Underlying Layer 2 NDIS Compliant Driver
- Distinct Modular Building Block and Simple to Use API
- Scalable Policy Driven Scenario for Circumventing ISP Blocking
- No any Impact on existing Softphone or Dialer Action
- Extensive Support for the latest SIP and RTP standards
- Widely Used Audio Codec Support
- Intuitive Call Trace and Log Mechanism
- Proprietary Bug Free Memory Management Framework
- Multi-thread Safety

## Architecture

- Packet Dispatching Engine for High Efficiency Packet Delivery
- Policy Manager for Driving Encryption/Decryption
- Hash Queue List and Timer for Core Data Structure
- Executive Machine for Call Control
- Configuration and Statistics
- Packet Identification and Analysis
- Utility for OS Abstraction
- API Wrapper



### System Requirements:

- Windows 2000 sp4/XP sp2 or later/Vista(both on 32bit and 64bit)
- Visual Studio C++ 6.0 sp6
- 256MB Memory Minimum

### The SDK is delivered with:

- Include Files
- Import Libraries for DLLs
- VoiceGuard™ Engine Driver
- VGSC GUI Source Code
- Complete Documentation
- VGPlugin Lite(50 calls)
- Porting and Customization Service(upon request)