ABTO Software
VoIP SIP SDK for Windows
Quick Facts

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General Information

This document includes basic details about ABTO Software's VoIP SIP SDK for Windows in the form of grouped pieces of information. If you did not find the information that you need contact us at support@voipsipsdk.com.

License Details

- No yearly/monthly fee
- No limitation for number of users, channels, or products

Protocols Support

- SIP (Session Initiation Protocol)
- RTP (Real-time Transport Protocol)
- TCP (Transmission Control Protocol)
- UDP (User Datagram Protocol)

Technologies Support

- STUN (Session Traversal Utilities for NAT)
- ICE (Interactive Connectivity Establishment)
- Access SDK as ActiveX (COM Simple object) control and as a native dll (exported methods)
- NAT (Network Address Translation) support
- Encryption on the basis of SRTP
- DTMF (Dual Tone Multi Frequency) support (SDK can send/received DTMF as SIP INFO, RTP signaling packets and inband voice)
- SIP Authentication
- Basic samples (C#, C++, VB.NET, VB 6.0, and Delphi)
- Custom samples (multiple SIP accounts, IVR, presence, and voice mail)
- Log file on/off setting

End User Features

- All versions of Windows OS, including Windows 8
- Support of all kinds of Internet connections
- SIP Registrar support (compatibility with most of SIP servers including Asterisk)
- Works under firewall
- Multiple sip accounts registration
- Multiline support
- Multi-party voice conference
- Video call support
- IM sending/receiving
- Selecting of media input and output devices

- Custom ringtone support
- Configuration saving and loading (to/from file or to/from string)

Conversation Specific Features

- Calls operations:
    - Hold/Retrieve Call
    - Forward Call (Blind Call Transfer)
    - Transfer Call (Attended Transfer)
- Noise reduction (supression)
    - AGC (Auto gain controller) support
    - Comfort noise generation
- Software volume control (including Mute Sound)
- Playing file into conversation (ability to simultaneously play different files to multiple lines)
- Recording conversation into file (wav or mp3)
- Auto-answer
- Call history and address book ready

Available Codecs

- Video:
    - H.263, H.263+, H.263++
    - H.264 (BP10, BP20, and BP30)
- Audio:
    - G.711 (ALaw, muLaw)
    - G.726 (16k 24k 32k 40k)
    - G.729A
    - iLBC
    - Speex (Narrow, Wide)
    - RFC4733 DTMF tones
    - GSM
    - AMR (Narrow, Wide)