



Envox CT Application Development Environment 9.2

The Envox CT Application Development Environment (Envox CT ADE™) is a set of program building blocks that are easier to use — and quicker to learn — than conventional hardware interfaces. Envox CT ADE abstracts the Dialogic hardware and software interfaces, as well as third-party speech products, into a rapid application development (RAD) platform for voice, fax, conference, and speech-enabled solutions. Using Envox CT ADE to manage the telephony devices and speech engines, you can focus on your unique business requirements.

The power and ease of Envox CT ADE are available in two forms:

- Application Development Language (ADL) – a procedural language, incorporating many telephony application building blocks
- Application Development ActiveX® Objects (ADX) – A set of com controls that can be incorporated into Windows® visual development languages like C++, Visual Basic®, Delphi®, as well as Microsoft.NET languages C# and VB.NET

Features

- Abstracts hardware and speech APIs into high-level, application-oriented methods and properties
- Implements hardware and speech technology interface in ActiveX® object form for use with standard languages such as Visual Basic, VB.NET, C++, C#, and Delphi
- Rapid development of CTI functions through a CTI link to Envox CT Connect
- Support for the leading PBX/ACDs and IP communication environments from Avaya, Nortel, Siemens, Alcatel, and others through a CTI link to Envox CT Connect.
- Optimized design for high-density configurations — automatic multitasking features
- Simplified programming language designed for computer telephony applications
- TCP/IP messaging and data-sharing facilities
- Multiple languages supported for text-to-speech, voice recognition, and voice prompts for numbers, money, dates, and time
- US and international character sets supported at design and execution time
- Access to low-level technology features
- Support for Dialogic Host Media Processing Interface Boards

Benefits

- Change hardware or speech vendor software without changing the application program
- Avoid the complex data structures, bit masks, events, and call-back requirements of low-level APIs
- Utilize highly productive visual languages and IDEs to build CT applications
- Use existing Web and business application programmers for CT projects
- Model new programs on extensive set of samples
- Implement the most efficient multitasking program design (state machine) with built-in functions
- Synchronize large numbers of lines and tasks with task communication features (semaphores, messages)
- Design the business application, not the Windows multitasking complexities
- Write CT and business logic in simple, high-production languages
- Test and troubleshoot in a CT-oriented environment that includes trace and instruction-step debugging tools
- Connect to back-office, agent station, or multiple chassis with the most efficient networking tools
- Send and receive messages within or between applications using the same program calls



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- Move applications to international locations without becoming an expert in local grammars
- Write applications using native language character sets and run them using double-byte data arguments fields
- When unique circumstances require, execute underlying hardware and speech operations not available with many RAD tools

Applications

- Envoy CT ADE is a general-purpose tool that is not restricted to any particular application types. The application programmer includes the required technology blocks into his or her designs to create the telephony solutions that directly meet the business specifications.
- More than 30,000 systems supporting over 600,000 telephony ports have been deployed using Envoy CT ADE since 1990.

System Requirements

Windows® 2000, Windows XP, Windows 2003 Server

Supported Functionality

Dialogic® board families — DM/V, DM/N, DM/T, DM/IP, BRI, VFX, JCT, CP/CPi, SS7, HiZ, D/42, D/82, DI, HDSI, MSI, DCB, DISI, IPT, HMP Interface Boards, Dialogic® board form factors — PCI, Compact PCI software products — SR 6.0, HMP 2.0, HMP 3.0

Trunks

- Analog
- IP
- PBX
- Stations
- T-1 and E-1

Fax

- 14.4 kb/s (V.17)
- Multipage TIFF

- SoftFax
- T. 30 fax protocol

Voice Recognition

- IberVOX ASR (available from ATLAS)
- InfoTalk-Recognizer (available from InfoTalk)
- Microsoft SAPI Automatic Speech Recognition
- Nuance Verifier
- Nuance Voice Recognition
- Sakhr Arabic Voice Recognition (available from Sakhr)
- Nuance SpeechPearl 2000 Voice Recognition
- Nuance® SpeechSecure
- Nuance Voice Recognition

Media

- Dialogic voice devices
- Windows WAVE devices

Conferencing

- Active talker status
- Echo cancellation
- Individual volume control
- Monitoring/broadcasting

Text-to-Speech

- IberVOX TTS (available from ATLAS)
- InfoTalk-Speaker (available from InfoTalk)
- Microsoft SAPI Text-To-Speech
- Nuance Vocalizer
- Sakhr Arabic Text-To-Speech (available from Sakhr)
- Nuance RealSpeak
- Nuance ETI-Eloquence
- Nuance Speechify

Please note: All features in 3rd party products may not be supported. Contact Envoy for detailed information



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