

# EBSOTECH IX™ SDK 2.0

## Product Fact Sheet

Ebsotech IX™ SDK is a framework for rapid development of platform-independent software. Its innovative Operating System Abstraction technology effectively encapsulates 32-/64-bit, processor architecture and byte order differences, providing a common interface for all the major operating systems.

### Benefits

#### Reduced Costs

IX SDK brings significant savings to development costs, reduces localization and porting costs.

#### Faster application development

IX SDK speeds up application development significantly as it offers open programming interfaces regardless of processor architecture or operating system.

#### Multi-Platform

Applications developed with IX SDK function in Linux®, most common UNIX® platforms, and Microsoft® Windows®.

#### Unrestricted Usage

The core of the SDK is written in low-level C language. All its functionality is accessible from any programming language capable of calling C-style library functions (C/C++, most scripting and macro languages, Java, etc.).

#### Documentation

IX SDK contains complete documentation; Developer's Guide, Reference Manual, and Installation and Setup Guide instruct in making the most of the SDK.

#### Software Accessories

The well-documented software accessories programmed with the SDK come with sources facilitating learning and application development.

#### Localizer Translation Tool

Localizing a software program can be a fuss. Localizer makes this job easier, letting everyone to concentrate on what one does the best. With this easy-to-use tool the translators do not need to know every detail of programming conventions but are free to do their job in a more familiar environment.

#### Ebsotech IXMLp

IXMLp is based on Ebsotech IX technology and fully implements the XML functionality specification.

**Ebsotech IX™ SDK -  
C-powered framework for rapid  
development of platform-  
independent software**

## Components

### Ebsotech IX™ SDK libraries for C language

- String manipulation
- Collection data structures (such as lists, arrays, associative maps, etc.)
- Memory management
- Thread management
- Process management
- Locking and synchronization
- I/O and Internet networking
- High-level frameworks for building network services
- Configuration file and parameter management

### Development tool applications

- Localizer translation tool
- Resource Compiler for localization
- A multi-platform make utility, dxamake
- dxaexp, a utility to compile library export files to the native format of Linux, UNIX, and Windows platforms

### Documentation

- Installation and Setup Guide
- Developer's Guide
- Reference Manual
- Technical Descriptions for Software Accessories
- Localizer User's Manual



The Ebsotech IX™ SDK Software Accessories are applications developed with the IX SDK. They can be used for quickly familiarizing oneself with the functionalities of the SDK, as well as for developing applications faster by using the source code of the accessories as a template.

The following Software Accessories are included in this release of Ebsotech IX™ SDK:

- CFGMGRSA - Configuration Manager
- EGSA - Entity Guessing Software Accessory
- ESHOPSA - E-Shop Software Accessory
- HTTPDSA - HTTP Daemon (web server)
- LNGSA - Language Resources
- SFTSA - Socket File Transfer

The Software Accessories come with detailed Technical Description documents in pdf format.



The Ebsotech IX™ Localizer is a translation tool that makes localizing software simple. Managing translations is convenient with these Localizer features:

- filtering translations
- automatic validation of files
- translation version comparison

Localizer has been designed with the end-user in mind. Special attention has been paid to usability: Localizer has an easy-to-use user interface and build-in online help, allowing the translator to be an expert in languages instead of technologies.

The Ebsotech IX™ Localizer comes with a complete User's Guide containing all the information a new user needs to get accustomed with Localizer.

## Ebsotech IXMLp

IXMLp addresses the XML performance challenge directly. It is based on Ebsotech IX technology and fully implements the XML functionality specification. At the same time, efficient resource handling has been given priority.

IXMLp offers a versatile, yet simple C/C++ library to parse, validate, manipulate, and generate XML documents. Its C modules are provided in a single shared library, while its C++ modules are implemented as a thin layer in header files. These modules cover high- and low-level processing needs: high-level interfaces speed up software development, while low-level ones minimize resource consumption.

As a result, XML-aware applications can rely on IXMLp as a robust and versatile software component.

## SDK Key Features

- Byte order transparency
- 32-/64-bit transparency
- Consistent error handling
- Several higher level protocols
- Extensive support for threading
- Program logic management utilities
- Unified interface to text conversions
- Compression and encryption features
- Static and dynamic binaries for all libraries
- Extensive internationalization and globalization support
- Own build environment supports compilation and linking
- Object oriented, modular architecture allows selective usage of libraries

## System Requirements

Operating System	Version(s)	Processor	C/C++ Compiler
Red Hat® Linux	7.x or later	Intel	GCC
Debian™ Linux	2.2 or later	Intel	GCC
Mandrake Linux	8.1 or later	Intel	GCC
SuSE® Linux	8.0 or later	Intel	GCC
Sun™ Solaris™	2.8 or later	SPARC	Workshop
Compaq® Tru64™	5.1 or later	Alpha	Native compiler
HP-UX®	11.0 or later	PA-RISC	HP C/HP-UX
IBM® AIX®	4.3 or later	PowerPC	Native compiler
Microsoft® Windows®	ME	Intel	Microsoft Visual C++®, Borland® C++ Builder
	2000 Server	Intel	Microsoft Visual C++®, Borland® C++ Builder
	2000 Professional	Intel	Microsoft Visual C++®, Borland® C++ Builder
	XP Professional	Intel	Microsoft Visual C++®, Borland® C++ Builder
	NT 4.0 Server	Intel	Microsoft Visual C++®, Borland® C++ Builder
	NT 4.0 Workstation	Intel	Microsoft Visual C++®, Borland® C++ Builder
	98 SE	Intel	Microsoft Visual C++®, Borland® C++ Builder

## About Us

Founded in 2003, Ebsotech was formed to create a new level of software tools previously unavailable to the IT-industry for multi-platform high-performance software development. As a part of this mission company has released Ebsotech IX™ product-line offering high productivity C/C++ development and high-performance state-of-the-art results. As supplementary, Ebsotech offers support services and technology consulting services in co-operation with various technology partners.

### Ebsotech

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