



SOLEUS™ BY INTRINSYC

is built on Microsoft® Windows® CE, a world-class operating system. Microsoft Visual Studio® 2005 serves as the development environment. Intrinsyc provides a plug-in to Visual Studio 2005, a UXDesigner for developing reusable MMI designs. Soleus offers full integration from hardware to software, shortening and simplifying the handset development cycle.

“Today, the adoption of high level OSs by successful handset brands is a necessary reality. Consumers continue to demand more mobile phone features, better functionality and increased customization on their mobile devices.”

*Shiv Bakhshi,
Director of Mobile
Technology and Tracking,
IDC*

SOLEUS™ PLATFORM HARDWARE

- ▶ Processor
 - Windows CE 5.0 and 6.0 compatible CPUs
 - Supports 32-bit memory addressing
 - Using little-endian byte order
 - Provides Memory Management Unit (MMU)
 - ARM-based. Additional CPU families may be supported upon request.
- ▶ Display resolution: 240x320 (QVGA), other resolutions can also be supported
- ▶ Display color support: 64K colors, 256K colors
- ▶ Radio: GSM Quad-Band (850/900/1800/1900MHz)
- ▶ Storage card: Secure Digital (SD) cards
- ▶ Bluetooth v1.2+
- ▶ Mini-USB port (USB 2.0)
- ▶ Phone Device Module can be provided by Intrinsyc
- ▶ Supported Network Technologies
 - GSM CSD, GPRS, EDGE

DEVELOPMENT TOOLS

- ▶ Microsoft Visual Studio 2005
- ▶ Soleus Software Development Kit (SDK)
- ▶ Soleus UX Designer
- ▶ Windows CE 5.0 or CE 6.0
 - Microsoft Platform Builder
 - Soleus Adaptation Kit (AK)
 - Windows CE 5.0 Board Support Package (BSP) for target hardware platform
 - Soleus QA Test kit (QATK)

SOLEUS PLATFORM BUILDING BLOCKS

- ▶ User-Interface Customization
 - UX Designer is a tool for creating and editing UI schemes
 - UI schemes portable across handsets
 - Built-in mobile phone controls
 - Extensions available through custom controls
- ▶ Soleus Mobile Handset Applications
 - Alarm
 - Calculator
 - Calendar
 - Call History
 - Camera
 - Contacts
 - Dialer

Technical Specifications

- File Manager
- Media Player
- Notes (text and voice)
- Picture Viewer
- Phone Settings
- SMS
- Telephony
- Themes
- User Profiles

▶ ISV Partner Applications

The flexible nature of the Soleus platform allows nearly any 3rd party to easily port their application to the platform. The following applications are pre-integrated and other applications can be integrated upon request.

- AOL / Tegic T9 Predictive Text
- Email Client
- Games
- Handwriting Recognition
- Instant Messenger (AOL, MSN, Yahoo, ICQ, Google, Jabber)
- ISV Installer
- Java MIDP 2.0
- MMS 1.2 client
- PC Sync
- Voice Dialing
- WAP 2.0 Browser

▶ Soleus Mobile Phone Controls

- Animation
- DateTimePicker
- ImageButton
- Menu
- PhoneList
- SingleLineList
- Slider
- Softkeys

▶ Common Device Controls

- Button
- Checkbox
- Combobox
- Custom Control
- DateTimeText
- Edit
- HScrollBar
- Image
- Label
- Listbox
- Meter
- MultiEdit
- RadioButton
- Panel
- Rectangle
- Text
- VScrollBar

Contact Information:

Intrinsyc Software International, Inc.

Head Office

700 West Pender Street
10th Floor
Vancouver, BC
Canada V6C 1G8
Toll Free: 1-800-474-7644
Telephone: +1-604-801-6461

Regional Offices

US Offices

20450 Stevens Creek Boulevard
Suite 130
Cupertino, CA 95014
Telephone: +1-408-342-9400

11130 N.E. 33rd Place
Suite 200
Bellevue, WA 98004
Telephone: +1-425-732-4950

EMEA Office

Fountain House
Great Cornbow
Halesowen
West Midlands
UK B63 3BL
Telephone:
+011-44-121-501-6000

Asia-Pacific Office

6F-5, No.408, Rui-Kung Road
Taipei, Taiwan 11492
Telephone:
+011-886-2-2162-1197

www.intrinsyc.com

About Intrinsyc

Intrinsyc is a leader in software and services that enable next-generation handheld and embedded products, including mobile handsets, smart phones and converged devices. The company's mobile software products, engineering services, and years of expertise help OEMs, service providers, and silicon providers deliver compelling wireless products with faster time-to-market and improved development cost.

- ▶ Soleus Telephony API
 - Call
 - Call History
 - Caller ID (picture, ringtone)
 - Contacts
 - Events
 - Network Selection
 - Packet Data
 - SIM
 - SIM Application Toolkit
 - SMS
 - Speed dialing
 - Supplementary Services Strings
 - TelDevice
 - Voicemail
- ▶ Soleus Multimedia and Graphics Support
 - Audio: WMA, WAV, MP3, AMR
 - Video: 3GP, MPEG4, WMV, H.264, H.263
 - Graphics: JPEG, GIF, BMP, PNG
 - Additional formats can be supported upon request
- ▶ Soleus Localization Support
 - Supported Languages: English, Simplified Chinese, Traditional Chinese
 - Localization support
 - All language-specific application resources are stored separately from the application
- ▶ Windows CE Communications Support
 - Telephony API (TAPI 2.1)
 - Windows sockets
 - Secure sockets
 - TCP/IP, PPP, SLIP, and IrDA
 - Serial port
- ▶ Windows CE Security and Encryption
 - Security Support Provider Interface
 - NTLM Security Support Provider
 - Encryption and Decryption
 - Cryptographic APIs
 - Digital Signatures
 - Trusted applications – identified with digital certificates, allow control of access to privileged operating system calls
- ▶ Windows CE Graphics
 - Rich text, raster, and vector support
 - TrueType, ClearType, and Bitmap fonts available
 - Device independent bitmap supports for 1, 2, 4, 8, 16, 24, and 32 bits-per-pixel
- ▶ Windows CE Globalization Support
 - Unicode character set
 - National language support – date, time, calendar, currency conventions
- ▶ Windows CE Multimedia
 - DirectShow API – supporting the playback of multimedia streams and compressed content

WINDOWS CE FOUNDATION BUILDING BLOCKS

- ▶ Windows CE Kernel
 - Multi-process, multi-threaded
 - Rich thread synchronization model
 - Virtual memory management
 - Dynamic loading and linking
 - Watchdog timers
- ▶ Windows CE Power Management
 - Centralized Power Manager synchronizes system-wide elements
 - Component-specific power states built into device driver interface
 - Application-specific power management allows trusted applications to control overall system power operation
- ▶ Windows CE Real-Time Support
 - 256 thread priorities
 - Nested interrupts
 - Bounded thread latency for highest priority thread
 - Bounded interrupt latency for highest priority interrupt
 - On ARM architecture, both FIQ and IRQ support
- ▶ Windows CE Storage
 - RAM-based object-store with file system, Win32-style registry, and built-in database
 - NAND Flash storage devices
 - Installable file system support enables proprietary extensions
 - Built-in compression for data storage

