



Questions Symbian's Mobile Platform

Development environment. List the application development options for the platform, e.g., C++, C#, Java, browser based, other.

Developing for Symbian OS – content development options include: C++, Java (J2ME) MIDP 2.0 and PersonalJava 1.1.1a (with JavaPhone 1.0 option), and WAP; tools are available for building C++ and Java applications and ROMs with support for on-target debugging

Development tool vendors. List the vendors of development tools for this platform.

All listed here - <http://www.symbian.com/developer/tools.html>

ARM RealView

Borland C++ BuilderX

Lauterbach Trace32

Macromedia Flash MX

Mentor Graphics XRAY Debugger

Metrowerks CodeWarrior

Texas Instruments Code Composer Studio

SunONE Studio - Mobile Edition

Visual Basic Dev Studio .NET (requires MobileVB from AppForge)

Applications. What is the approximate total number of business-related applications available for this platform?

There are over 2000 commercially available applications available for Symbian OS of which many are business related, depending on the business users' needs.

TOBIAS - PLEASE LIST THE 10 MOST IMPORTANT HERE

Messaging - native. List the types of messaging your platform supports natively, including SMS, instant messaging, MMS.

Messaging – multimedia messaging (MMS), enhanced messaging (EMS) and SMS; internet mail using POP3, IMAP4, SMTP and MHTML; attachments; fax

The plug-in architecture of the Symbian OS Messaging Server provides extensibility by supporting message plug-ins (called MTMs - "Message Type Modules") for new messaging types and proprietary messaging protocols.

Messaging – third party. List the additional messaging types supported by third parties.

Browser capabilities. What markup languages does your browser support (e.g., WML, Compact HTML, HTML, XHTML, CCS)

Browsing – a WAP stack is provided with support for WAP 1.2.1 for mobile browsing

Support for HTML, CHTML, XHTML, and XML provided through third-party solutions and Symbian OS browser plug-in architecture.

Devices. What devices in the market today use this platform? List vendors, and number of devices per vendor.

Sony Ericsson P800 and P900

Nokia 6600/6620, N-Gage, 3650/3600, 7650, 9210/9290

Fujitsu F2051, F2102V

Motorola A920, A925

Siemens SX1

Coming soon: Nokia 7700, Sendo X, BenQ P30, F900i

Multitasking. Is Your Platform multitasking?

Yes multitasking, multi-process with multiple threads per process, and includes a light-weight cooperative sub-tasking model for low-overhead operations -- supports mutexes, semaphores and critical sections

Java capability. Is Java supported? What versions of Java (e.g., MIP1, MIDP2, Personal Profile) are supported?

Java (J2ME) MIDP 2.0 and PersonalJava 1.1.1a (with JavaPhone 1.0 option)

Java alternatives. If not supporting Java, what alternate higher-level approaches do you support?

C++ , Flash MX (Macromedia), Visual Basic (MobileVB from AppForge)

VPN Support. List the VPNs (and vendors) available for this platform.

movieanVPN, Certicom

Wireless communications. List the wireless networking technologies supported, including CDMA, GPRS/EDGE, UMTS/WCDMA, Wi-Fi, IR and Bluetooth.

Symbian OS v7.0s is ready for the 3G market with support for GSM circuit switched voice and data (CSD and EDGE ECSD) and packet-based data (GPRS and EDGE EGPRS); CDMA circuit switched voice, data and packet-based data (IS-95, cdma2000 1x, and WCDMA); SIM, RUIM and UICC Toolkit; Other standards can be implemented by licensees through extensible APIs of the telephony subsystem

Wireline communications. List the wireline communications technologies supported, including USB, serial and Ethernet.

Over-the-air (OTA) synchronization support using SyncML; PC-based synchronization over serial, Bluetooth, Infrared and USB; a PC Connectivity framework providing the ability to transfer files and synchronize PIM data

Communications protocols - native. List the communications protocols that your platform supports natively, such as: TCP/IP, IPv6, HTTP, POP, IMAP, FTP, SSL, TLS, Telnet, IPsec, PPTP, L2TP.

Wide-area networking stacks including TCP/IP (dual mode IPv4/v6) and WAP, personal area networking support include infrared (IrDA), Bluetooth and USB client ; support is also provided for multihoming capabilities and link layer Quality-of-Service (QoS) on GPRS/UMTS networks this section should be embellished by Jonathan Webb and Gillian Cross

Communications protocols – third party. List any additional protocols supported through third parties.

USB host and on-the-go (OTG)

this section should be embellished by Jonathan Webb

Other features. List other pertinent aspects of your platform.

Symbian OS v8.0 will enable manufacturers and application developers to take fuller advantage of the complex capabilities of 3G networks

Security – full encryption and certificate management, secure protocols (HTTPS, WTLS and SSL and TLS), WIM framework and certificate-based application installation

Rich suite of application engines – the suite includes engines for contacts, schedule, messaging, browsing, utility and system control; OBEX for exchanging objects such as appointments (using the industry standard vCalendar) and business cards (vCard); integrated APIs for data management, text, clipboard and graphics

Finger print sensor capabilities - F900i