

QUANTUMSTEP ZAURUS EDITION

Developer: **DSITRI**

Buchenstr. 3

D-82041 Deisenhofen

Contact: www.quantum-step.com

E-Mail: info@quantum-step.com

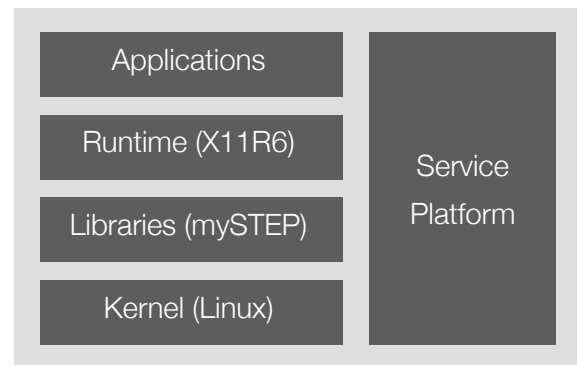
Example: Sharp Zaurus SL-C1000



QuantumSTEP® - Combine the best of two worlds

QuantumSTEP is an Application Platform for Handheld Devices (Smartphones and PDAs) that is optimized for the Macintosh IT Environment by being highly aligned in look and feel, data formats, PIM applications and even the application programming interface (API).

It is based on the standard Linux kernel (2.4.x) provided by Sharp and the mySTEP libraries (which originate in GNUstep). They include the Foundation and AppKit classes for the Graphical User Interface. The Runtime system provides user input (touchscreen) and output interfaces by using X11R6. The Application suite contains a large range from Contact and Event manager over Phone dialer, POP3/SMTP Mail client with Junk filter, Web browser, GPS Navigator to Image viewer, Music&Video player and Picture recorder.



A service platform is planned to provide users with online-services and E-Mail Pull&Push services while on the move.

Most Libraries and the Runtime system are Open Source (LGPL). Software development is done with Xcode and Interface Builder on an Apple Macintosh.

QUANTUMSTEP ZAURUS EDITION



Features

Graphical User Interface

- Touchscreen operation
- myInk - Handwriting anywhere
- Keyboard operation
- Supports 320x240 (or larger) Color Display
- Alpha channel and antialiased fonts
- Full multi-language (UTF) character support
- Separate Menu bar (Application specific) and Status bar (System)
- look and feel familiar to Macintosh users

Application Suite

- myAfrica - Web browser
- myAddresses - address book
- myCalc - RPN calculator
- myChat - (video) conferencing and chatting tool
- myDates - calendar manager
- myFinder - file manager
- myMail - POP3/IMAP mail client with trainable junk filter and Push / Pull service
- myNavigator - GPS based Navigation tool
- myNotes - notepad (text/sketches)
- myRecorder - sound/image/video capturer/archiver/viewer/player
- mySettings - system settings manager
 - Clock
 - Display
 - Energy
 - Handwriting
 - Language - English, ...
 - Network - IP
 - Software Installation and Backup
 - Touchscreen - Calibration

- Wireless - WLAN, GPRS
- myTextEdit - RTF compatible text editor
- myViewer - an Image (pre-)viewer
- Utilities
 - myConsole - Console log viewer
 - myInstaller - Software installer (.pkg compatible)
 - myJAR Launcher - Launcher for JAR applications
- myTerminal - Command line terminal application
- ZMacSync - to synchronize with the Qtopia calendar, address book if you are running both systems in parallel

Supported Data and Software Standards

- Window Server: X11R6 with render extension
- OpenStep Frameworks: Foundation, AppKit
- Additional Frameworks: AddressBook, Preference-Panes, Messages, MenuExtras, SystemExtensions
- Networking: GPRS, WLAN, TCP/IP, NNTP, POP3, SMTP, SSH, HTTP, FTP
- Graphics: TIFF, GIF, PNG, JPEG, ICNS, XWD, (others planned)
- Music: MP3/AAC (planned)
- Video: planned, Zaurus Camera card
- Data and Documents: HTML, RTF, XML, UTF-8, UCS16
- Others: GPS (NMEA183)

Supported Hardware

- Sharp Zaurus models
 - SL5500
 - SL5600
 - SL-C700, C750, C760
 - SL-C860
 - SL-6000
 - SL-C1000, C3000
- MMC/SD memory cards
- CF memory cards
- CF WLAN card (several Prism2/2.5)
- CF GPRS card (Audiovox RTM 8000, Eagletech)
- CF GPS card (e.g. Billionton CF GPS)
- CF Camera card (Sharp CE-AG06)
- USB Docking Station

Software Development Tools

- SDK - Open Source Software Development Kit for cross-compilation of applications on a MacOS X host with Apple Xcode
- Zaurus-X-gcc - Objective-C ARM cross compiler plugin (gcc 2.95.3) for Xcode

Others

- USB driver for MacOS X (AJZaurusUSB)
- openssh-server, gdb, fdisk, mkfs, pax
- OpenSTEP tools: defaults, open
- Softpear emulator to run PowerPC code
- JAVA compatible using the www.kaffe.org VM