

SCREENPHONE

PRODUCT DOCUMENT

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1. Introduction

In the rapidly developing world of consumer electronics, where the size of the products are shrinking and a host of features to boast about, stands tall, a product - Screenphone. Screenphones are the next generation, state of art technology in the field of telephony products. As the name suggests, they are high-end product with a high-end solution for the emerging market of embedded software telephony product.

2. Product Overview



- Large LCD display with touch screen
- Ergonomic design
- Speaker phone with mute facility
- Ringer & receiver volume controls

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- Hand-free telephone
- Retractable keyboard
- Answering machine
- Facsimile
- Spider Web browser
- E-mail client
- Calculator
- Calender
- Address book
- Chat client
- Notepad
- RDP
- Telnet
- Settings

3. Hardware Features

- Intel SA1110 processor
- 64MB SDRAM
- 16MB Flash
- 64MB DOM
- Super IO chip
- 8.2" LCD with Touchscreen
- DAM board
- Telephone board
- Keyboard
- Serial port
- USB port
- Ethernet port

4. Software Features

The Spider browser supports most of the W3C standards like:

- HTML 4.0
- XHTML 1.0 (partial support at this time)
- XML 1.0

- Document Object Model (DOM):
 - Level 0
 - Level 1 Core
 - Level 1 HTML
 - DOM 2 (partial support at this time)

- Cascading Style Sheets (CSS):
 - CSS1
 - CSS2 (partial support at this time)

- Unicode

- Transfer protocols:
 - HTTP
 - FTP

- Imaging formats:
 - GIF
 - JPEG
 - PNG
 - MNG
 - JNG

The browser also supports plugins for viewing PDF files.

Screen shots of Spider browser

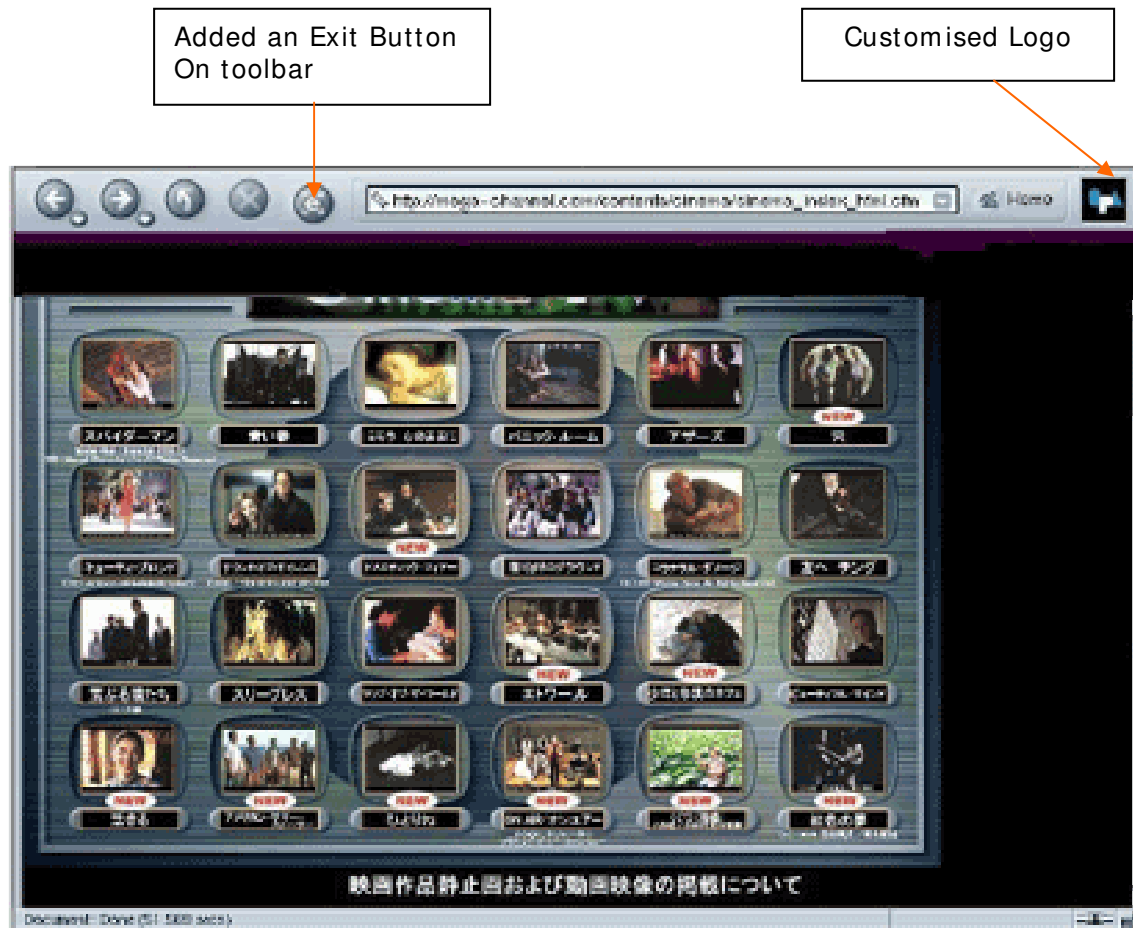


Figure 1



Figure 2

E-mail client

The e-mail client is based on GTK+ GUI toolkit, and runs on X Window System. Some of its salient features are as follows:

- Quick response by keeping CPU and memory usage to a minimum
- Fast processing even though a folder contains large number of messages
- Enables intuitive operation by simple, graceful, and well-polished interface
- Fully equipped with features required as a mailer
- Supported protocols

POP3
IMAP4rev1
SMTP
NNTP

Screen shots of E-mail client

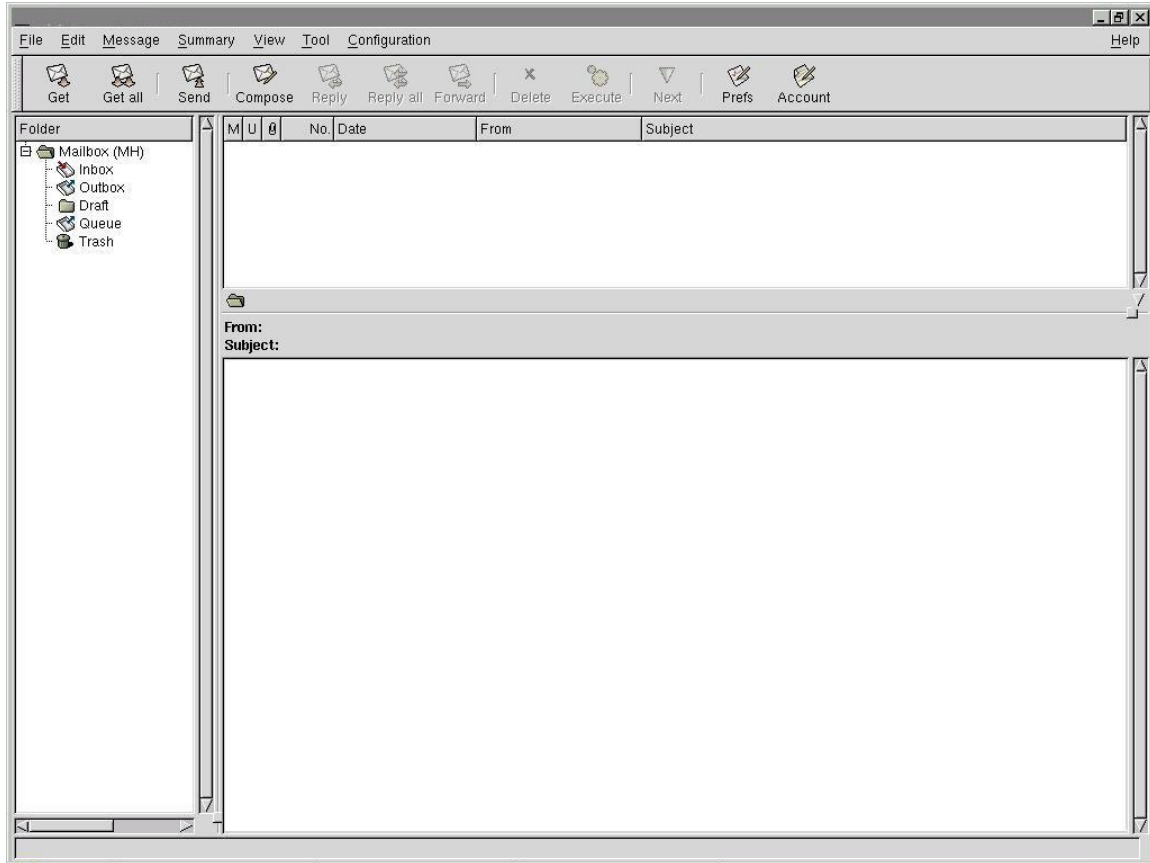


Figure 3

Address Book

This application can store the phone number & address of friends & relatives.

Notepad

Notepad can be used as a scribbling pad to jot down some notes.

Settings

Provides options to make changes to the default values like calibrate the touchscreen & make changes to the network configurations.



RDP & Telnet

Using RDP we can connect to other window systems present in the network using its IP address. Through telnet we can connect to any other system by mentioning its IP address.