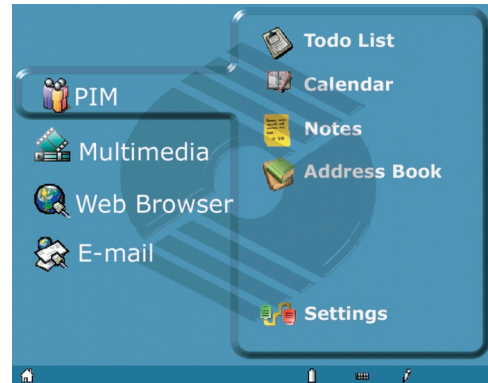# WebMedia™

The premiere technology environment for WebPAD systems running embedded Linux

WebMedia delivers an interactive, dynamic screentop environment and development toolkit for next-generation WebPAD systems.

WebMedia is a technology suite: a collection of development tools, SDK's, runtime utilities, and applications that work together to form a very powerful, interactive, graphical user environment. This integrated architecture allows complex WebPAD user interfaces to be built and deployed in a very short period of time.

At the core of the WebMedia suite are two modules: the WebMedia Viewer and the WebMedia Plugin Manager. These two modules work together to manage the display and menu system, interact with the user through the WebPAD touchscreen, and control all multimedia components of the underlying hardware.

WebMedia plugins contain the actual software libraries used to control the WebPAD hardware. For example, one plugin is used to control the playback of a streaming MPEG file while another has software routines used to control and

Sample WebPAD screentop built with HTML

manage the playback of a local MP3 audio clip. Features and capabilities of the WebPAD can be enabled, updated, or disabled simply by adding or removing the associated plugin.

The entire menu system and all graphical displays are created using HTML: the universal language of the World Wide Web. Buttons, icons, logos, and other graphic elements are nothing more than small image files, which are easily created using popular off-the-shelf graphics and paint programs. The layout of the menu system, the positioning of text, and the location of graphic elements are specified by using popular off-the-shelf HTML layout and publishing tools.

Extensions to the HTML language provide the essential link between buttons and controls on the menu system and the WebMedia Plugin Manager. These extensions provide powerful hardware control capabilities without the need to learn programming. Anyone who can build a web page can create a robust, sophisticated WebPAD menu system.

Features
- GIF, JPEG, and PNG image support
- Plugin-based architecture for simple updates and expansion
- HTML 3.2 compatible viewer, includes frames and forms support
- Compatible with most graphic design, paint, and HTML layout programs
- Works with Microwindows and X11 graphical environments running embedded Linux

CENTURY
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