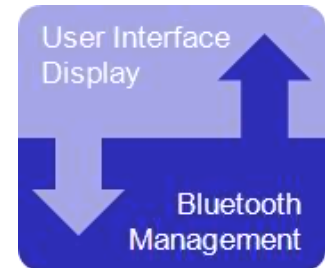


Windows Embedded CE and Windows Mobile

Overview

Adeneo Embedded has developed since 2003 its own Bluetooth Manager which provides an easy-to-use graphical interface to identify, list, connect and communicate with devices in the range.

This Adeneo Embedded IP is designed for Windows Embedded CE and Windows Mobile, as an extension of the standard Microsoft Bluetooth stack.



Technical features and Supported Profiles

- The Adeneo Embedded Bluetooth Manager improves significantly the Microsoft stack by offering a complete set of local and remote profiles support not available natively into Windows Embedded CE Bluetooth stack (SDP, HSP, SSP, HID, OPP, FTP, DUN, PAN, A2DP);
- The Bluetooth Management (access to the local and remote profiles) is based on a single Dynamic Link Library (DLL) to ease the use in custom device applications;
- The Graphical User Interface relays calls to the Bluetooth Manager DLL.

	Windows CE 5.0	Windows Embedded CE 6.0 (ARM & MIPS)	Windows Mobile 5.0/6.5
SDP	☑	☑	☑
HSP		C	C
SSP	☑	☑	☑
HID		C	C
OPP	☑	☑	☑
FTP	☑	☑	
DUN	☑	☑	☑
PAN	☑	☑	
A2DP		C	

Requirements

- Compatible Bluetooth transceiver (USB or UART Based HCI Bluetooth controller);
- Customized OS Design (for Windows Embedded CE device) integrating the support of the Bluetooth stack.

☑ Server & Client

C only Client

SDP: Service Discovery Protocol / **HSP:** Headset Profile / **SSP:** Serial Server Profile / **HID:** Human Interface Device / **OPP:** Object Push Profile / **FTP:** File Transfer Profile / **DUN:** Dial Up Networking / **PAN:** Private Area Network / **A2DP:** Advanced Audio Distribution Profile

Key Advantages for Your Development Team

- Full object-oriented software architecture to ease customization and match OEM's device specific Bluetooth requirements;
- Full encapsulation of Microsoft Windows Embedded CE Bluetooth stack to secure smooth integration and the development of Windows Embedded CE or Windows Mobile based devices requiring Bluetooth communication;
- Layered design with complete independence between "Bluetooth Engine" and UI to allow direct access to the engine for headless devices and/or easy integration with custom UI and OEM's specific applications.

Distribution



Bluetooth Manager - Sample User Interface

	Evaluation version	Binary version	Source version
Full functional	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Supported profiles	All listed (1)	All listed (1)	All listed (1)
Supported services	All listed (1)	All listed (1)	All listed (1)
UI adaptable	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Core adaptable	-	-	<input checked="" type="checkbox"/>
Compatible WinMo	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Compatible WinCE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User manual	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technical design document	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time limitation	30min	No limit	No limit
Downloadable from	www.adeneo-embedded.com/btm or contact us: sales@adeneo-embedded.com		

Adeneo Embedded: One Stop Solution Provider

Through the development, maintenance and support of this Bluetooth Manager, Adeneo Embedded maintains a high level expertise on Bluetooth development with Windows Embedded CE and Windows Mobile, and ensure migration of this solution from one version to the next one.

For over 10 years, we provide system integration, support and training services to worldwide embedded device manufacturers. We have earned experience and expertise for embedded device projects, incorporating software and hardware solutions based on leading embedded operating systems.

More information: www.adeneo-embedded.com
 or sales@adeneo-embedded.com



Custom development

- Turnkey Design
- Driver to All BSP Adaptation
- Application Development



Packaged Services

- Technical Support
- Design Review
- Product QA & Testing



Training

- On-Site Custom Session
- 4-Day Scheduled Sessions
- Linux and Compact 7