IVT BlueSoleil CE 3.0 SDK
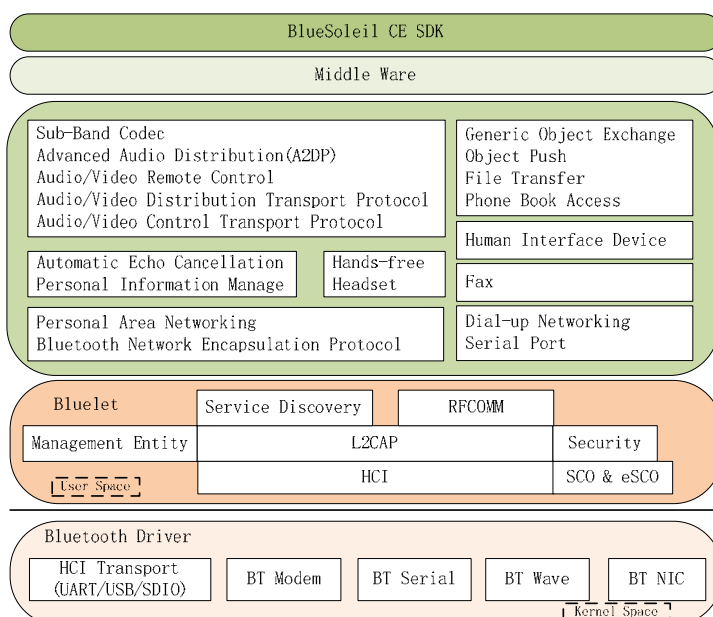## An Embedded Bluetooth® Solution

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Introduction

BlueSoleil CE Software Development Kit (SDK) derives from IVT Bluelet stack and adopts C/S architecture to provide compact application programmer interfaces (APIs) for the third-parties to swiftly develop multiple or solo customized Bluetooth communication application for profile usage in Windows CE 5.0/6.0. With over ten years' dedication and experience on wireless solution of R&D team, IVT BlueSoleil CE SDK shows excellent interoperability based on a huge empirical data repository and high quality codes verified by robust test.

Architecture

BlueSoleil CE SDK adopts Client/Server architecture to make sure multi-client can communicate with server swiftly and simultaneously. Every interface is encapsulated as a module function and manages data and function respectively to guarantee the purification of codes, the robust of data transferring and the stable performance of functions.

COMPLETE BLUETOOTH SOLUTION

BLUETOOTH SPECIFICATION SUPPORT
• v2.1+EDR of Bluetooth Specification

PROTOCOLS SUPPORT
• HCI Transport
• LMP
• L2CAP
• RFCOMM
• Hardcopy Cable Replacement
• Multi-transport OBEX
• Security
• Database Management Entity
• Simple Pairing
• Error reporting
• Recovery &Resume strategy

PROFILES SUPPORT
• Generic Access Profile
• Service Discovery Profile v1.1
• Headset Profile v1.1 (AG\HS unit)
• Hands-Free Profile v1.5(AG\HF unit)
• Phone Book Access Profile
• Phone Book Access (AT Command)
• Message Access (AT Command)
• Serial Port Profile v1.1 (DevA\DevB)
• Dial-up Networking Profile v1.1 (GW)
• Advanced Audio Distribution Profile v1.2 (SRC\SNK)
• AV Remote Control Profile v1.2 (CT\TG)
• Object Push Profile v1.1 (Client\Server)
• File Transfer Profile v1.1 (Client\Server)
• Personal Area Network Profile v1.0(PANU)
• Human Interface Device Profile v1.0 (HID\Host)
• FAX v1.1 (GW)
• Cordless Telephony Profile and Intercom Profile (TL)

AEC HFP SUPPORT

• Software Acoustic Echo Cancellation for Hands-free

• AEC HFP MIC and Speaker Delay < 400ms

PIM SUPPORT

• PBAP

• Phone Book Access (AT Command)

• Message Access (AT Command)

SYSTEM SUPPORT

• Windows Embedded CE 5.0

• Windows Embedded CE 6.0

• Windows Mobile 5.0

• Windows Mobile 6.0

TRANSPORT LAYER SUPPORT

• USB

• UART (H4)

• UART (BCSP)

BLUETOOTH MODULE SUPPORT

• CSR

• Broadcom

• TI

DELIVERABLE

• SDK package

• SDK help documentations

• Configuration guide

• Sample tools & user guide

• Release note

• Architecture introduction

• Interoperability test reports

• BQB certification

ACTIVE PARTNERSHIP IN SIG

· Actively taking participant in improving the applications of profiles and following closely with SIG latest profiles

· Collaborating with many professional wireless solution providers to improve and boom Bluetooth technology.

PARTNERS

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