

BLUESOLEIL CE 3.0

An Embedded Bluetooth® Solution

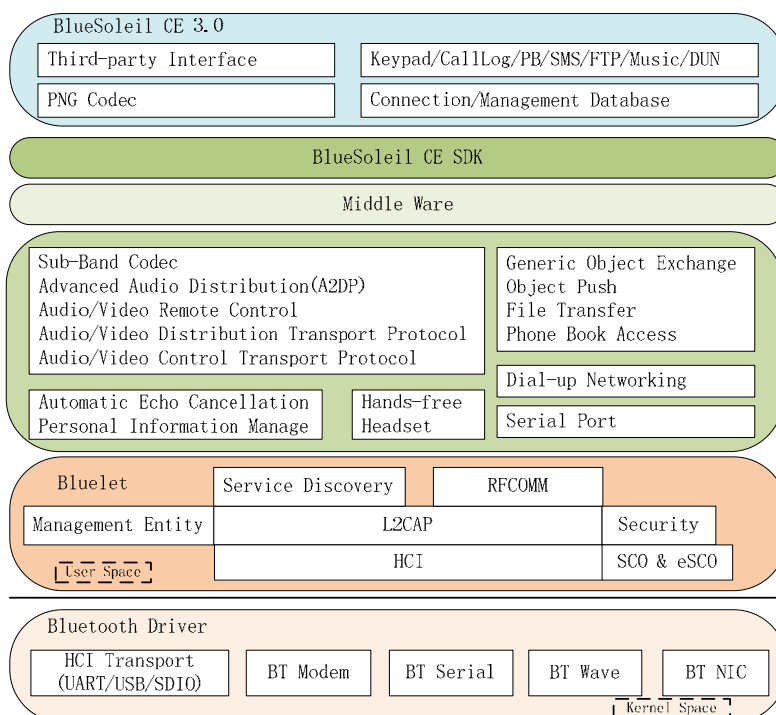
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INTRODUCES

Bluetooth is a free technology for wireless communication of audio and video data which builds on a low-cost and short-range radio link. BlueSoleil CE 3.0 is a compact and flexible Bluetooth solution for Personal Navigation Device, Portable Media Player, Personal Digital System and etc. The features of standard, complete and easy-to-use is expressed by well-integrating many architecture hardware platforms which shortens the period to put on the market by OEM/ODM, including most popular Bluetooth applications in PND domain such as hands-free, internet connection, phonebook synchronization, data transfer, stereo audio and etc and allowing users be flexible to use it without any obstacle.

SOFTWARE ARCHITECTURE

BlueSoleil CE has the world-renowned reputation and is welcomed by many first-class companies well-known in PND and PMP domains. The sophisticated architecture is shown as following figure.



COMPLETE BLUETOOTH SOLUTION

Protocols Support:

- IVT BlueLet stack compliant to v2.1+EDR of Bluetooth Specification
- HCI Transport
- RFCOMM
- L2CAP
- Security
- Management Entity

Profiles Support

- Generic Access Profile
- Service Discovery Profile v1.1
- Headset Profile v1.1
- Hands-Free Profile v1.5
- Phone Book Access (AT Command)
- Phone Book Access Profile
- Message Access (AT Command)
- Serial Port Profile v1.1
- Dial-up Networking Profile v1.1
- Advanced Audio Distribution Profile v1.2
- Audio/Video Remote Control Profile v1.2
- Generic Object Exchange /Object Push Profile v1.1/ File Transfer Profile v1.1

Innovative Support

- Software AEC for Hands-free
- IVT PIM Manager with PBAP and AT command, supports different operating platform of mobile phones, including Nokia, Samsung, Moto, Sony Ericsson, iPhone, HTC, Blackberry, LG, MTK

Documentation support

- User manual
- API documentation
- Configuration Guide
- Interoperability test reports



FUNCTIONS & FEATURES

The target devices are the mobile phone and stereo headset; The main target client is OEM/ODM. The striking features of BlueSoleil CE 3.0 are to:

Easy for Use

- Quickly sync SMS and Contacts list with mobile phone.
- Support HF1.5 for 3-way call with a concise Keypad is provided which is similar with mobile phone.
- Adopt IVT HiSBC Codec as subband codec to obtain high quality audio and control the play track of audio remotely.
- Dial-up network through mobile phone, with those networks: GSM/WCDMA/CDMA200/TD-SCDMA.
- Exchange business cards between PND and other Bluetooth device.
- Easily transfer files between PND and your phone.
- Send/Receive data through virtual serial ports between two or more than two Bluetooth devices,
- Support screen-touch usage.

Perfect Interoperability

- Total pass rate: more than 85%
- PB synchronization: 77%.
- HF1.5: 92%.
- DUN: 87%.
- FTP: 89%.
- OPP: 96%.
- A2DP and AVRCP: more than 95%.
- SPP: more than 95%.

Please refer to IOT test report document based on more than 100 phones.

Simple Integration

- Providing well-encapsulated third-party interfaces for seamless integrating into other applications.

Quick Customization

- Allowing quick customization with the flexible architecture.
- Providing the abundant GUI control including graphic, standard control.
- Providing the flexible work flow management.

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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