

Product Brief

CandleDragon's ultra small Bluetooth stack, dotstack™, was designed for low cost and low power embedded devices. Bluetooth SIG compliant and well tested, dotstack™ has the smallest footprint, is easy to port and already runs on most popular platforms and OS.

General Information

- Written in ANSI C for easy portability
- Uses well defined protocols and profile application interface
- Supports Bluetooth specification version 1.2, 2.0, 2.1, +EDR
- Bluetooth Low Energy (BLE) - coming soon

Protocols and Profiles

- L2CAP, RFCOMM, MCAP, SDP, HCI
- SPP, HID, GAP, Secure Simple Pairing, Headset, HFP, OBEX, HDP, FTP, PBAP
- Wireless IAP, A2DP - coming soon

Interoperability

- Tested with Microsoft, Toshiba, Widcomm/Broadcom, MAC OS X, BlueZ and other stacks
- Supports CSR, Broadcom and TI chipsets

Licensing

- No upfront fee
- Contact CandleDragon for details

Services

- Porting to different OS and platforms
- Embedded Application development
- Hardware and System development including Bluetooth chipsets integration: CSR, TI
- Support and Maintenance

Platforms

- Texas Instruments MSP430, C2000, C5000
- Microchip Technology PIC24, dsPIC, PIC32
- Renesas SH7216
- ARM 7, ARM9, Cortex M3

General Requirements

- 3.5KB RAM for SPP —platform dependent
- < 1 MIPS
- UART, PCM, SPI or USB to interface an embedded controller
- FreeRTOS or proprietary embedded software. Easy port to any RTOS.

Development Kits Available

- Texas Instruments MSP430
- Microchip PIC24F, dsPIC, PIC32
- Renesas SH7216

Applications

- Consumer
- Medical
- Industrial and Building Automation

Application development

- Embedded Application development with focus on low power and coin cell battery operation
- Host Application development on Android, Blackberry, Symbian, Windows Mobile, WinCE and other platforms

For more information please visit our website at www.dotstack.com

CandleDragon's Bluetooth solution has been certified by the Bluetooth SIG as meeting all requirements of the Bluetooth Qualification Process.

CandleDragon, Inc.
101 Winthrop Road, Suite 1
Brookline, MA 02445
Ph: 857-919-4146
info@candledragon.com