Bluetopia® is Stonestreet One's implementation of the upper layers of the Bluetooth protocol stack. Bluetopia eases Bluetooth application development by providing a robust and flexible software development tool that implements the Bluetooth Protocols and Profiles above the Host Controller Interface (HCI). Bluetopia's Application Programming Interface (API) provides access to the upper-layer protocols and profiles described below and others and can interface directly to the most popular Bluetooth chips from Broadcom, CSR, TI, and others. Bluetopia is also portable across multiple operating systems and processors. Bluetopia has shipped in millions of consumer and enterprise devices.

Bluetopia provides support for the following Bluetooth Protocols:
- Host Controller Interface (HCI)
- Logical Link Control and Adaptation Protocol (L2CAP)
- Service Discovery Protocol (SDP)
- RFCOMM
- Audio/Video Distribution Transport Protocol (AVDTP)
- Audio/Video Control Transport Protocol (AVCTP)
- Bluetooth Network Encapsulation Protocol (BNEP)
- Object Exchange Protocol (OBEX)

In addition to the supported protocols, Bluetopia also provides support for the following Bluetooth Profiles:
- Generic Access Profile (GAP)
- Serial Port Profile (SPP)
- Generic Access Profile (GAP)
- FAX Profile (FAX)
- Dial Up Networking Profile (DUN)
- SIM Access Profile (SAP)
- OBEX Object Push Profile (OPP)
- OBEX File Transfer Profile (FTP)
- Headset Profile (HSP)
- Hands Free Profile (HFP)
- Basic Imaging Profile (BIP)
- Hardcopy Cable Replacement Profile (HCRP)
- Human Interface Device Profile (HID)
- Synchronization Profile (SYNC)
- Generic Object Exchange Profile (GOEP)
- Message Access Profile (MAP)
- Phone Book Access Profile (PBAP)
- Generic Audio/Video Distribution Profile (GAVDP)
- Advanced Audio Distribution Profile (A2DP)
- Audio/Video Remote Control Profile (AVRCP)
- Personal Area Networking Profile (PAN)

Key Benefits
- Support for multiple operating system/processor combinations
- Proven in the industry with shipments in millions of consumer and enterprise devices
- Mature product with first qualification in 2000
- Low cost of ownership—low royalty
Supported Operating Systems and Processors

Bluetopia has been provided for the following platforms. Some additional porting may be required based on a particular customer’s needs.

<table>
<thead>
<tr>
<th>Operating Systems</th>
<th>Processors</th>
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</thead>
<tbody>
<tr>
<td>Windows Mobile 5.0/6.0/6.1/6.5</td>
<td>TheadX</td>
</tr>
<tr>
<td>Windows CE 5.0/6.0</td>
<td>VxWorks</td>
</tr>
<tr>
<td>Linux</td>
<td>uITRON</td>
</tr>
<tr>
<td>Nucleus</td>
<td>Green Hills Integrity</td>
</tr>
<tr>
<td>QNX</td>
<td>Proprietary Scheduler/OS</td>
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<td>Net BSD</td>
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</tbody>
</table>

Future Versions of Bluetopia

Bluetopia LE
Bluetopia LE is Stonestreet One’s implementation of the Bluetooth low energy specification for dual mode devices. Bluetooth low energy wireless technology will allow watches and toys, as well as sports & wellness, health care, human interface (HIDs) and entertainment devices to be easily added to one’s personal area network. The technology can be built into products such as watches, wireless keyboards, gaming and sports sensors, which can then connect to host devices such as mobile phones and personal computers.

Bluetopia HS
Bluetopia HS is Stonestreet One’s implementation of the Bluetooth 3.0 + HS specification. Bluetooth high speed wireless technology will secure Bluetooth wireless technology as THE long-term choice for overall PAN applications. The new specification will enable penetration of the underrepresented home environment and the consumer electronics market. Stonestreet One is teaming with the market leaders in Bluetooth and 802.11/WiFi devices to be able to offer solutions in conjunction with the silicon providers chip sets.

Company Profile

Stonestreet One has been a leading provider of software solutions for Bluetooth wireless technology since 2000. Our offerings are centered around our Bluetopia protocol stack and are used by leading chipmakers, distributors, embedded software companies and OEMs around the world in personal computing, automotive, biomedical, mobile communications and consumer electronics products. We are an Associate Member of the Bluetooth SIG. We are headquartered in Louisville, KY.