Blue Topaz Bluetooth® Development Kit

FEATURES

- Class II device
- Bluetooth 1.1 compliant
- Standard HCI interface software
- Full speed HCI UART
- USB v1.1 compliant and USB2.0 compatible
- Full speed Bluetooth operation
- Full speed USB interface supports OHCI and UHCI host interface
- Full piconet support
- 8Mbit external Flash
- Access to PCM interface, (PIO) lines
- Firmware upgradeable via UART, USB or SPI interface
- Temperature range: -20°C to +85°C.
- Attached antenna

The BlueTopaz development kit is a comprehensive solution that enables developers a fast track in which to adopt Bluetooth Technology.

The development kit includes the BlueTopaz adapter board and all necessary accessories to help OEM/ODM integrators evaluate, develop, and test products based on SMART Modular Technologies' Bluetooth Min-Module (90147) at the Radio & HCI level. The BlueTopaz development kit includes a standard HCI interface through UART and USB interfaces. The interface is compatible with third party software and upper layers stack vendors.

The BlueTopaz development kit is available in three configurations: USB, UART only up to the HCI level, and UART with SPP profile.

SMART Modular Technologies, Inc., a leading independent manufacturer of memory and communication sub-systems offers more than 500 products to premier OEMs in the computer, networking and telecommunications industries. SMART offers customers competitive outsourcing advantages, such as access to advanced manufacturing technologies, shortened product time-to-market, reduced total cost of ownership and more effective asset utilization.

SMART Modular Technologies Communications Products Division (CPD) has extensive experience & focus upon leading-edge, client-side personal communication sub-systems for wireless and wired Personal Area, Local Area and Wide-Area Networks.

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Specifications

Development Kit Contents

- Mini-Module adapter board
- USB cable (USB kit only)
- DB25, and DB9 cables (UART kit only)
- Universal AC/DC adapter
  (110/220v to 3v-12v converter)
- Antenna
- Documentation
- Software drivers (USB)
- Software tools (UART) (Runs on Windows™
  2000 or Windows™ XP)

Applications

- Serial cable replacement
- Personal computer
- Personal digital assistant
- Industrial applications
- Medical applications
- Printers
- Wireless access point
- Laptops
- Scanners

SMART Kit Part Number

STBTIOBJWWPASSM   USB with HCI stack only
STBTIOBKWWPASSM   UART with HCI stack only
STBTIOBLWWPASSM   UART with loaded SPP profile

SMART Modular Technologies Mini-Modules "90147"
are available in sample pack of 10 units, and in tape
& reel of 500 units under these part numbers:

Sample pack (10 units) part numbers

STBTIOBUWWPASSM   Bluetooth USB

STBTIOBAWWPASSM   Bluetooth UART
                                     with HCI stack Only

STBTIOBYWWPASSM   Bluetooth UART
                                     with loaded SPP profile

Tape and Reel (500 units) part numbers

STBTIOBUWWPABSM   Bluetooth USB

STBTIOBAWWPABSM   Bluetooth UART
                                     with HCI stack Only

STBTIOBYWWPABSM   Bluetooth UART
                                     with loaded SPP profile

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