

Memory Modules

Flash Products

DC-DC Converters

Communication
Products

Bluetooth USB Adaptor



SMART Modular Technologies' "BlueOpal" is a Class 2 Bluetooth® device compliant with Bluetooth Specification 1.1, USB Specification 1.1 and compatible with USB 2.0. "BlueOpal" features an 8Mbit flash for firmware which is controlled via USB interface. A standard USB male type A connector provides the USB signals for the USB adaptor.

"BlueOpal" has an internal antenna and has been tested to receive sensitivity better than -80dBm and power output +4dBm (typical). The RF performance of the adaptor is stable within +/-1dB within the temperature range of -10°C to +85°C.

FEATURES

- Size 58mm(L) x 19mm(W) x 9mm(H)
- Class 2 Bluetooth USB Adaptor
- Receiver Sensitivity: Better than -80dBm (raw BER 0.1% with any compliant transmitter)
- Link control function implemented in hardware compliant to Bluetooth Specification 1.1
- Piconet and Scatternet functions, including master /slave switch capabilities
- Power provided by the host

PROFILES SUPPORTED


- Dial-up networking profile
- LAN Access Profile
- File Transfer Profile
- Fax Profile
- Serial Profile
- Object Push Profile
- HCRP (Hardcopy Cable Replacement Profile)
- Coming Soon
 - Personal Area Network User (PANU)
 - Network Access Point (NAP)
 - Group Ad-hoc Network (GN)


SMART's "BlueOpal" can be plugged either directly into a USB port or via an extended cable to a host computer. The USB Adaptor is supplied with Smart's certified Bluetooth Software Stack, that supports Windows® 2000 and Windows XP. Also, compatible with Mac OS X v.10.2 or later.




Whether you are at home, in the office or on the road your Bluetooth USB adaptor will make your computing experience more convenient. Use the Bluetooth USB adaptor on your notebook and desktop computers to print files to a Bluetooth enabled printer, dial up networking to the Internet [via a wireless modem (mobile phone) or another PC]. You can share or access files from another computer, and synchronize with your PDA, to your notebook or mobile phone.

HANTZ + PARTNER
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SMART Modular Technologies, Inc. is a wholly owned operating company within Solectron Corporation's (NYSE: SLR) Technology Solutions Business Unit. SMART, 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. Through its relationship to Solectron, 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.

Specifications

General

- Bluetooth Specification 1.1 compliant
- Power Requirement: Provided by the host
- Power Consumption at 5V
 - 1mA at standby
 - 7mA at idle
 - 65mA (typical) at point-point operation
 - 75mA (max) at operation

System Requirements

For Windows Computers

- Windows XP/2000 with USB 1.1 Support
- Mac OS X v.10.2 or later
- One Available USB Port
- CD-ROM Drive

Radio

- Frequency Range: 2.402 – 2.480GHz
- Transmit Power (Tx): 2dBm (typical)
- Receive Sensitivity (Rx): Better than
 - 80dBm @ 0.1% BER
- Range: Up to 30M

Antenna

- Internal Antenna
- Peak Gain: +2dBi
- VSWR: <2.0 : 1
- Polarization: Linear

Temperature


- Operating temperature: -10°C to 85°C
- Storage temperature: -40°C to +150°C

Interface


- Standard USB male Type A connector
- Bluetooth Application Software

SMART Part Number - STBTIOBUWWPARSM

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