UartSBee V3.1

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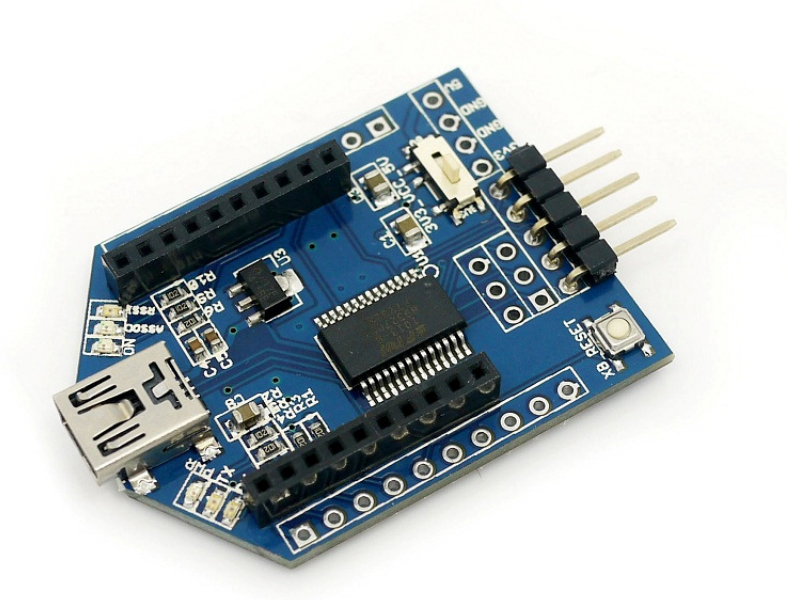
Overview



UartSBee V3.1 is a compact USB to serial adapter equipped with BEE (20pin 2.0mm) sockets. With integrated FT232 IC, It can be used for programming or communicating with MCU applications. On the other hand, you may connect your PC to various wireless applications via the BEE compatible modules.

Features:

- Reset button for BEE modules
- 3.3V and 5V dual power output
- 3.3V and 5V IO compatible
- USB 2.0 protocol
- BitBang mode ready

Application

- USB Serial adapter to communicate with TTL/CMOS level Serial devices
- Programmer for Arduino and compatible boards
- USB Adapter of BEE modules for PC wireless function.

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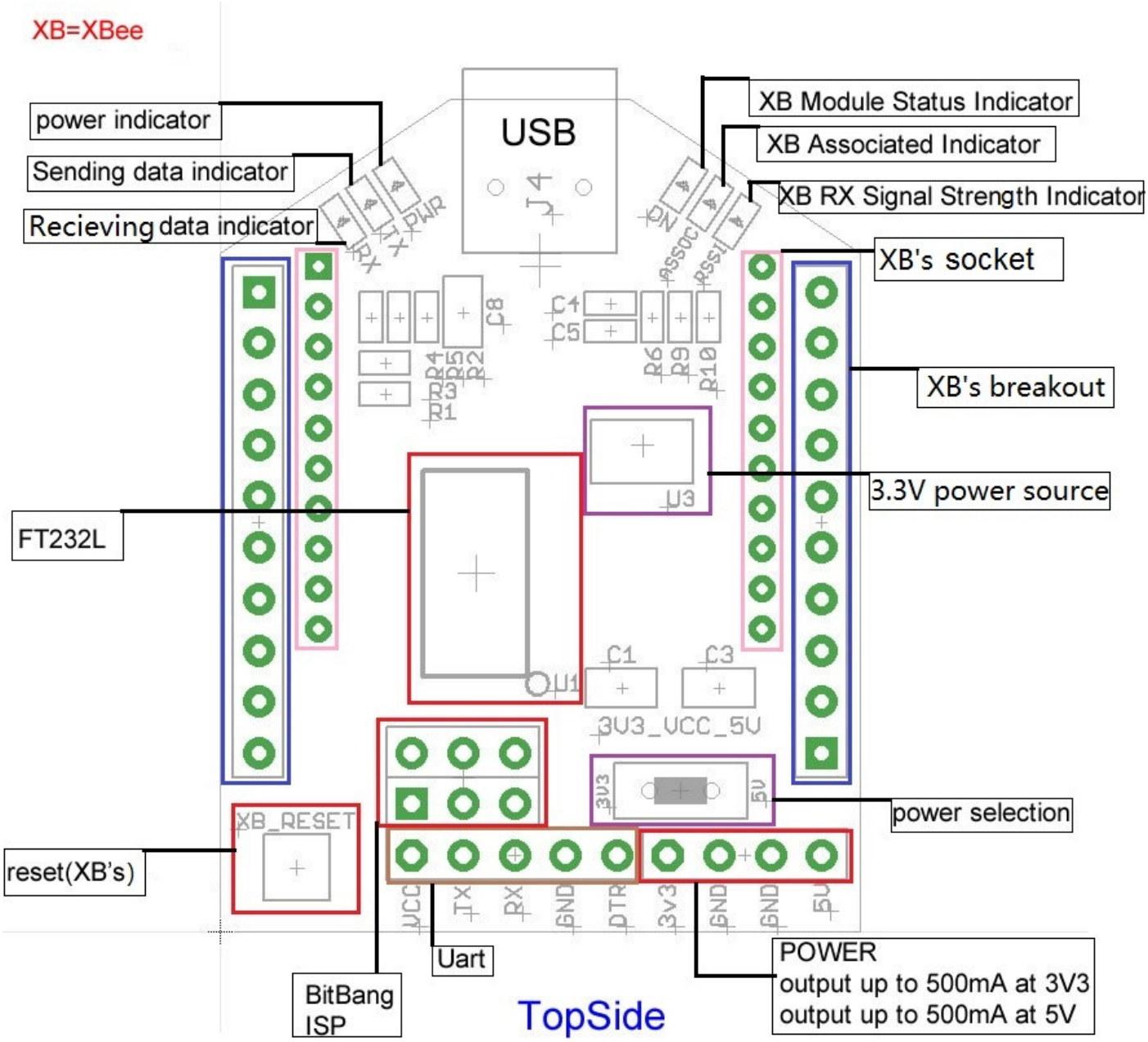
Specifications

Microprocessor	FT232RL
PCB size	3.1mm*4.1mm
Indicators	POWER, Green LED
Power supply	3.3V and 5V DC
Interface	Mini-B USB, 2.54mm pitch pin header
Adapter socket	XBee compatible 2.0mm pitch female pin header
Connectivity	USB
Communication Protocol	UART
ROHS	YES

Electrical Characterstics

Specification	Min	Typ	Max	Unit
Input voltage		5	5	Vdc
Global Current Consumption			500	mA
Output voltage	3.3		5	Vdc

System Block Diagram



Hardware Installation

When BEE modules are plugged, it can either connect to PC via USB as wireless adapter, or connect to MCU via serial pins as wireless add-on. You may find BEE modules including Xbee, GPS Bee, RF Bee, Blue Bee, Wifi Bee and many other upcoming.

Dimension Revision History

Rev.	Descriptions	Release date
V3.1	Delete Bluetooth's breakout on the bottom Reduce form factor	2010/9/2
V2.2	DC current for 3.3v pin up to 500MA Provide better support for XBee pro	2009/7/21
V2.1	First public version	2009/2/1