



XBee - USB Board 990.002



V2.0

Description

The XBee - USB Board has been designed to allow an easy and reliable connection between the XBee's modules and PC. XBee and XBeePRO modules are fully supported.

The rock solid construction, the soft start circuitry and the high power voltage regulator; ensure the maximum reliability and full performances of the XBee module.

Four useful LEDs allow constant monitoring of the board activity and fast troubleshooting. A Features Connector provides the most important connections with the XBee module and the USB chip adding great flexibility to this board. The USB Mini B connector ensures a compact and easy to use board. Now with a USB to Serial connector, the 990.002 can be used as an USB to Serial converter!

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Applications



USB to Zigbee



USB to Bluetooth



USB to RS232 TTL

Technical Specifications

- XBee Modules:** XBee and XBeePRO are fully supported. XBee Series 2 are also supported
- USB Port:** a powered (500mA) USB 1.0/2.0 port is required.
- 3.3V OUT - Output Power:** depends on the XBee module used. About 300mA available with XBee, and 140mA with XBeePRO modules.
- Dimensions:** 52 x 35 mm - max height 7 mm without XBee module.

Features

RSSI and ASSOCIATE LEDs to monitor XBee activity

TX and RX LEDs to monitor serial activity between the XBee module and the USB chip

3.3V OUT to power external devices (MCU's, boards, etc)

Soft Start circuitry to maximize reliability

Features Connector to access the most important XBee and USB connections

USB to Serial Connector: use this board as a USB to Serial Converter

Layout

RSSI LED
ASSOCIATE LED
TX LED
RX LED
RESET SWITCH (OPTIONAL)



USB MINI B

USB to Serial Converter Connector (3.3V TTL)
(remove XBee to use this connector)

FEATURES CONNECTOR

1	-	GND
2	-	3.3V OUT
3	-	AD0/DIO0
4	-	AD1/DIO1
5	-	AD2/DIO2
6	-	AD3/DIO3
7	-	AD4/DIO4
8	-	VREF
9	-	ON/SLEEP
10	-	PWM1
11	-	USB RI *
12	-	USB TXDEN *
13	-	USB SLEEP *

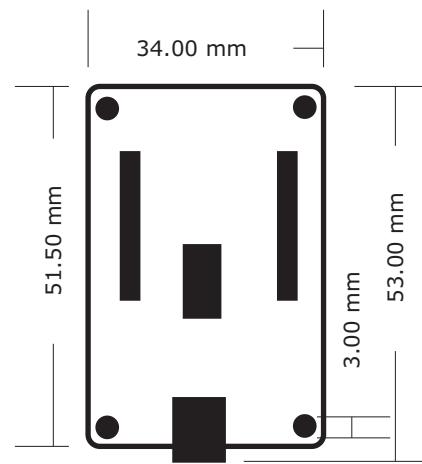


* Refer to the FTDI FT232RL Datasheet (www.ftdichip.com)

Notes

DROIDS SAS
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00139 ROMA ITALY
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Dimensions



Links

XBee Modules and Documentation:
www.maxstream.net
USB Drivers and Documentation:
www.ftdichip.com