USB-to-XBee Host Adapter (#USB2X)
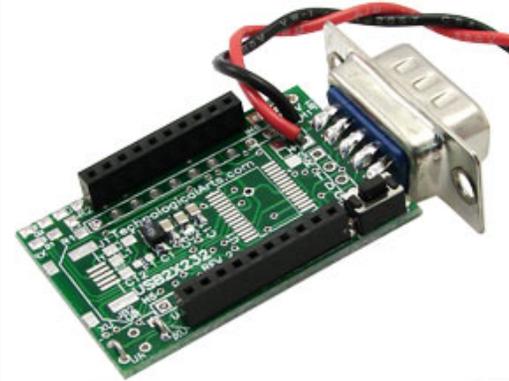
Technical Specs:

Power:
USB Power: 500 mA
A powered USB port is required

Current Requirements:
100 mA with XBee
180 mA with XBeePro

3.3V Available Output:
approx. 300mA

Dimensions:
1.7″ x 1.0″ x 0.42″
(42mm x 25mm x11mm)

Description

This interface adapter configuration supports USB connection to a user-supplied XBee module (a product of www.digi.com), and serves two purposes:
  1. XBee firmware updating: USB interface and socket strips for XBee module, along with handshaking lines and reset button to support easy firmware updates. Use it to configure and deploy XBee modules.
  2. XBee Coordinator node: connects a USB-equipped host computer to a user-supplied XBee configured as Coordinator in a wireless network of XBee modules.
  By using our XBee-to-RS232 Interface Adapter (#X232-DB9P) with your board, you can easily create a wireless link to eliminate the serial cable! The usable data rate and range will depend on which model of XBee module you use. The XBee DOUT and DIN signals are converted to USB signals, and routed to the miniB connector. All other XBee module pins are accessible via two 20-pin inline rows of pads on the circuit board.

Features:

• 2mm socket strips accepts any XBee or XBeePro module • small footprint
• miniB USB connects to host via standard USB cable • RX/TX indicator LEDs
• powered by USB • poly-fuse protection for USB port • 3.3V regulator
• XBee reset button • all XBee pins user-accessible via two rows of pads
• can be used as USB-to-TTL signal converter (without XBee module)

Pin	Signal		Signal	Pin
1	VCC		AD0/DIO0	20
2	DOUT		AD1/DIO1	19
3	DIN/CONFIG		AD2/DIO2	18
4	D08		AD3/DIO3	17
5	RESET		RTS/AD6/DIO6	16
6	PWM0/RSSI		AS/AD5/DIO5	15
7	PWM1		VREF	14
8	[reserved]		ON/SLEEP	13
9	DTR		CTS/DIO7	12
10	GND		AD4/DIO4	11

XBee Module Pinout

Shown with XBee Module

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Document Rev. 1

XBee-to-RS232 DTE Adapter (#X232-DB9P)

Technical Specs:

Power:
Input Voltage Range:
5V to 9VDC

Current Requirements:
100 mA with XBee
180 mA with XBeePro

3.3V Available Output:
approx.500mA

Dimensions:
2.0″ x 1.0″ x 0.6″
(51mm x 25mm x14mm)

Description

This interface adapter acts as a DTE (Data Terminal Equipment) RS232 module for any XBee or XBeePro module. This enables you to create a wireless connection to any DCE (Data Communications Equipment) such as a modem or a microcontroller board with an RS232 interface. By using this USB-to-XBee Interface Adapter (#USB2X) on your computer and this adapter with your board, you can easily create a wireless link to eliminate the serial cable! The usable data rate and range will depend on which model of XBee module you use. The XBee DOUT and DIN signals are converted to RS232 TX and RX signals, and brought out to the DB9 male connector. All other XBee module pins are accessible via two 20-pin inline rows of pads on the circuit board.

Features:

• 2mm socket strips accepts any XBee or XBeePro module
• DB9P (male) connector plugs into any microcontroller module having an RS232 interface with DB9S (female) connector
• flying leads for user-supplied 5 to 9VDC power input
• small footprint

Pin	Signal		Signal	Pin
1	VCC		AD0/DIO0	20
2	DOUT		AD1/DIO1	19
3	DIN/CONFIG		AD2/DIO2	18
4	D08		AD3/DIO3	17
5	RESET		RTS/AD6/DIO6	16
6	PWM0/RSSI		AS/AD5/DIO5	15
7	PWM1		VREF	14
8	[reserved]		ON/SLEEP	13
9	DTR		CTS/DIO7	12
10	GND		AD4/DIO4	11

XBee Module Pinout

Shown with XBee Module

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