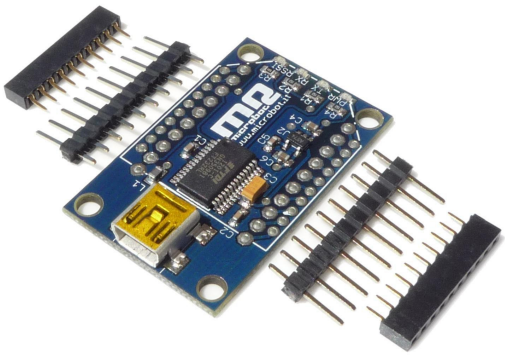
Name: **XBee to USB Adapter**
Code: **MR002-004.1**

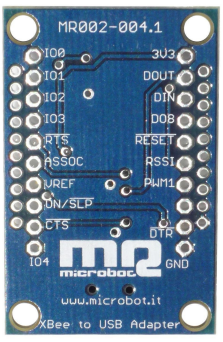


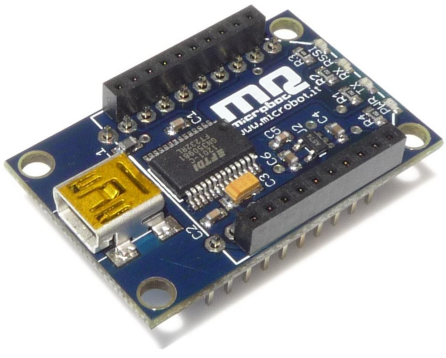
The *XBee to USB Adapter* is an usefull tool that allows to connect Personal Computers or a microcontroller in wireless networks using the famous XBee wireless modules. Connection is done via USB port and when you plug the board into the USB port, the PC system will recognize it as a serial VirtualCOM Port (VCP) which will realize the communication with the XBee module.

It is compatible with all XBee modules including the Series 1 and the Series 2.5, Standard and Pro version. The PC connection can be used to configure the XBee module through Digi's X-CTU software.
On the board there are 4 status indicator LEDs used for Power, RSSI, TX and RX signals.

This tiny and lightweight board is only 39x25 mm, including the mini-B connector, and its weight is only 0,18 oz (5 gr). Interfacing is realized by two 0,100" (2,54mm) strip connectors that are distant 0,700" (17,78mm); this allows a stable and easy mounting on solderless breadboard and sockets.

The board is provided with two 10 pins 0,100" (2,54mm) male strip connectors and two 10 pins 2mm female connector for the XBee module mounting.





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SPECIFICATIONS

Name	Description
Supply voltage	5V from USB port
Supply current	15mA typ. (70uA in Suspend Mode)
Dimensions	39x25x7mm (strip connectors not included)
Weight	0,18oz / 5g
Temperature range	-40°C to +85°C
Connector	USB Mini-B
Mounting holes diameter	3.2mm

Tab.1 - Specifications

CONNECTIONS

Name	Description
IO0	Analog Input 0 or Digital I/O 0
IO1	Analog Input 1 or Digital I/O 1
IO2	Analog Input 2 or Digital I/O 2
IO3	Analog Input 3 or Digital I/O 3
$\overline{\text{RTS}}$	Request-to-Send Flow Control, or Digital I/O 6
ASSOC	Associated Indicator, Analog Input 5 or Digital I/O 5
VREF	Voltage Reference for A/D Inputs
ON/$\overline{\text{SLP}}$	Module Status Indicator
$\overline{\text{CTS}}$	Clear-to-Send Flow Control or Digital I/O 7
IO4	Analog Input 4 or Digital I/O 4
3V3	+3.3V Voltage output (50mA max.)
DOUT	UART Data Out
DIN	UART Data In
DO8	Digital Output 8
$\overline{\text{RESET}}$	Module Reset (reset pulse must be at least 200 ns)
RSSI	PWM Output 0 / RX Signal Strength Indicator
PWM1	PWM Output 1
$\overline{\text{DTR}}$	Pin Sleep Control Line or Digital Input 8
GND	Ground

Tab.2 – Connections

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