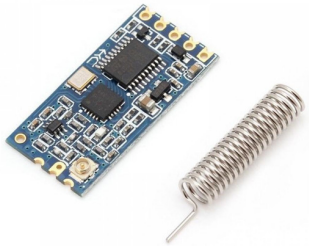
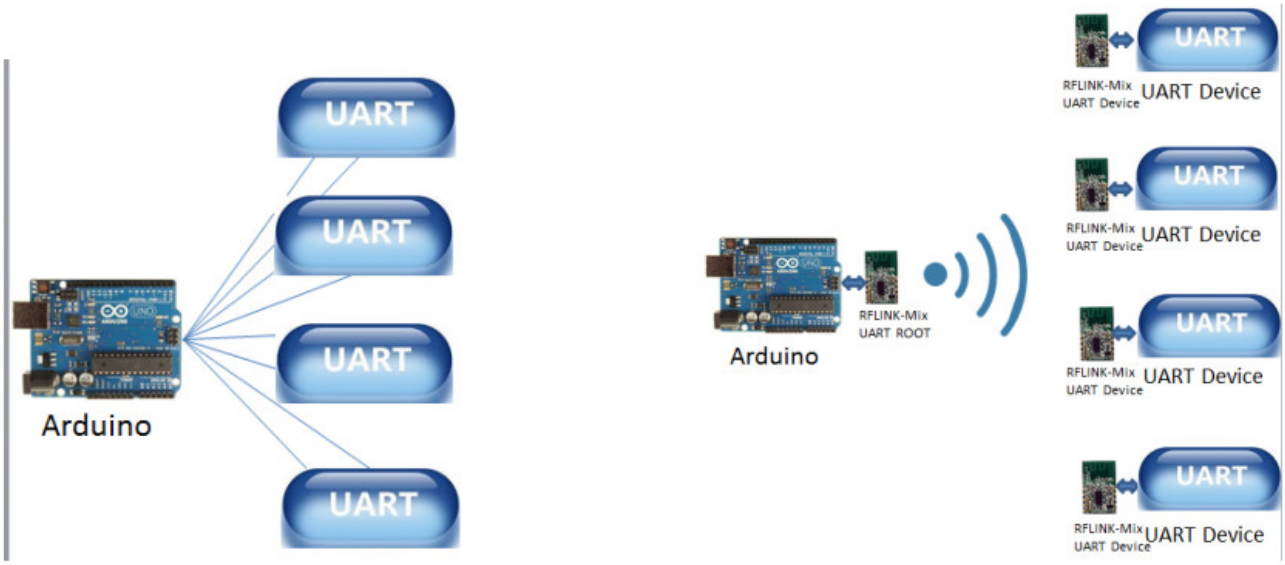


RFLINK-Mix Wireless UART to UART Module User Manual

RFLINK

Mix Wireless UART to UART Module
User Manual



Contents

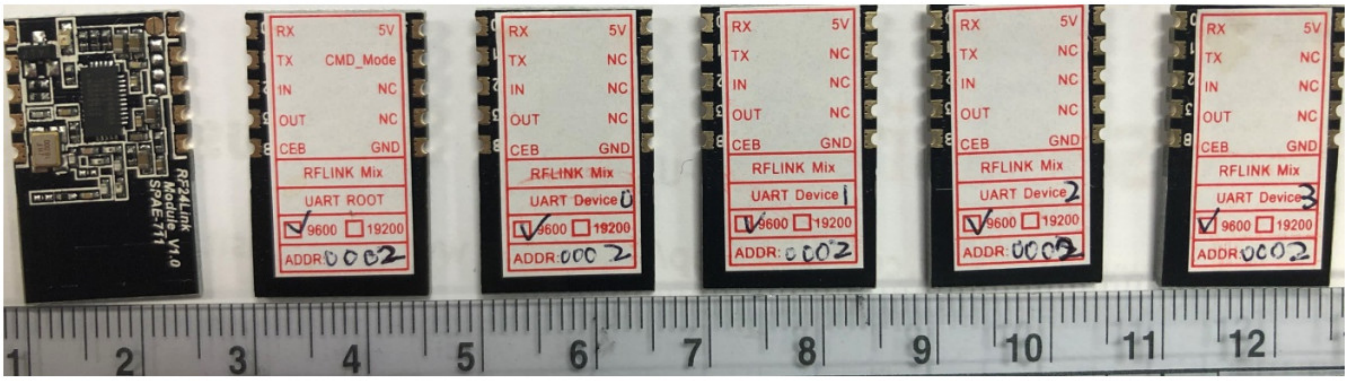
directory

RF LINK-Mix Wireless UART-to-UART is an easy-to-use wireless suite that allows users to quickly set up UART devices for remote transmission. You don't need to set up many long cables as the general wired UART suite does, you only need to connect the UART ROOT board of RFLINL-Mix to the master board (Arduino, Raspberry Pi, any other HOST), and the UART device board of RF LINK-Mix to the UART devices, then a wireless system is ready to go.

Module appearance and dimension

The RF LINK-Mix UART-to-UART module contains a piece of the UART ROOT end (left side). Up to four UART Device ends (on the right side of the figure below, numbered 0 to 3 Although the appearance of the two types is the same, each type can be identified by the label on the back.

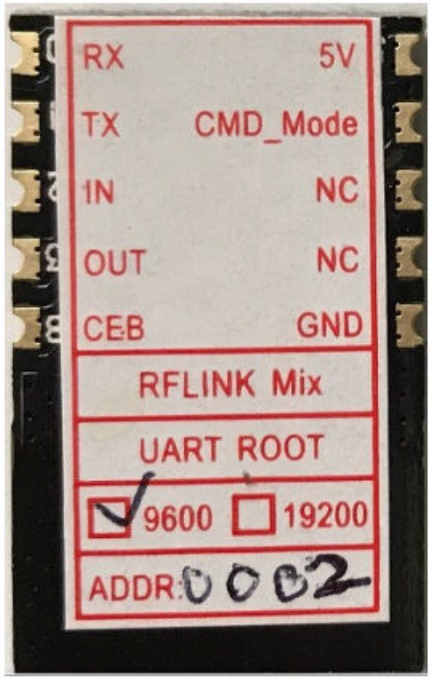
As shown in the figure below, the leftmost figure is the part side, and the others are the label side
The Group Address of this group of RF LINK-UARTROOT modules is 0002, baud rate 9600.
UART Devices as Device 0, Device 1, Device 2, Device 3, Group Address is 0002



Module characteristics

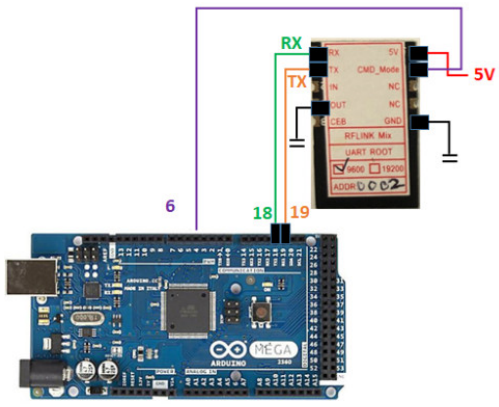
1. Operating voltage: 3.3~5.5V
2. RF Frequency:2400MHz~2480MHz
3. Power consumption: 24 mA@ +5dBm at TX mode and 23mA at RX mode.
4. Transmit power: +5dBm
5. Transmission distance: about 80 to 100m in the open space
6. Baud Rate(UART ROOT) 9,600bp or 19,200bps
7. Dimension : 25 mm x 15 mm x 2 mm (LxWxH)
8. Supports 1-to-1 or 1-to-multiple (up to four) transfers, and is used in command mode when used 1-to-multiple Command chooses which device to transmit with.

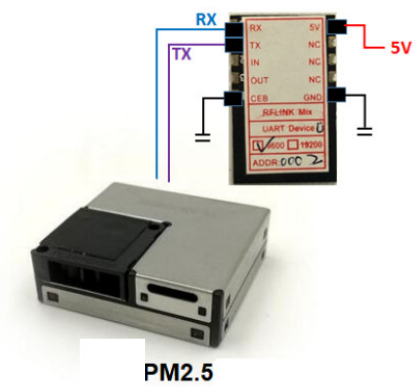
Pin definition

UART ROOT	
	
GND ➔ Ground +5V ➔ 5V voltage input TX ➔ corresponds to the RX of the Host UART RX ➔ corresponds to the TX of the Host UART THE CEB ➔ This CEB should connect to the ground (GND), then the module will be power-on and can be used as a power-saving control function. The OUT ➔ Output pin of IO Port (On/Off export) IN ➔ Input pin of the IO Port (On/Off receive). CMD_Mode ➔ ROOT for command mode startup pin, active low	GND ➔ Ground +5V ➔ 5V voltage input TX ➔ corresponds to the R RX ➔ corresponds to the T THE CEB ➔ This CEB sho power-on and can be used a The OUT ➔ Output pin of IN ➔ Input pin of the IO Po

How to use

You can use this module RF LINK-Mix UART-to-UART to control multiple sets of UART devices and wireless the physical UART line.

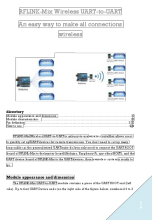




PM2.5

RF LINK-Mix UART-to-UART usage examples can be downloaded from the official website.

Documents / Resources

	RFLINK RFLINK-Mix Wireless UART to UART Module [pdf] User Manual RFLINK-Mix, Wireless UART to UART Module, RFLINK-Mix Wireless UART to UART Module