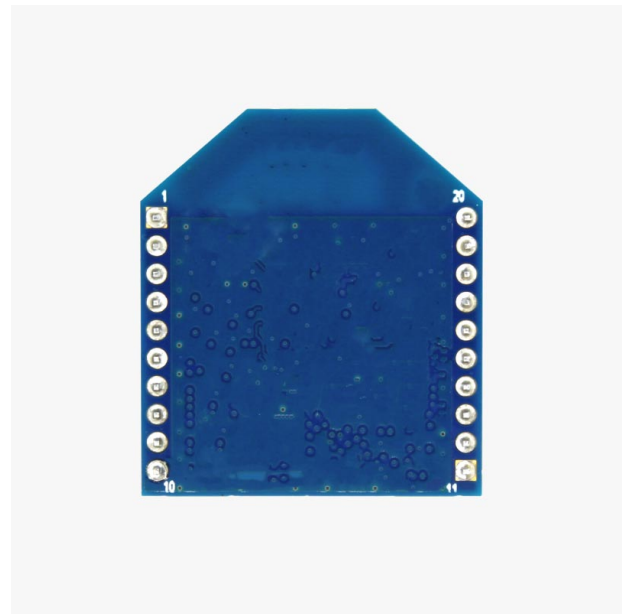# Radio Module Medium Range (MR)

Includes:
- Medium range radio module

More info about the product!

Radio Module Medium Range (MR) SKU is: AS-XBEE-MR-2.4-INT-01

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

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Description

The Medium Range version of our Radio Module, including an embedded antenna.

This is the recommended radio for your line of sight projects. You will be able to send RTK corrections up to 1200m with line of sight, in point-to-point configuration (not suitable for multirover).

This radio is only sold in pairs, pre-configured for unidirectional communication (Base to Rover). The radios are labelled with "B" fot he base and "R" for the rover.

Good to know:
- Compatible with all ArduSimple boards or any other boards with XBee socket in the market.
- This radio in included in our simpleRTK2B - Starter Kit MR.

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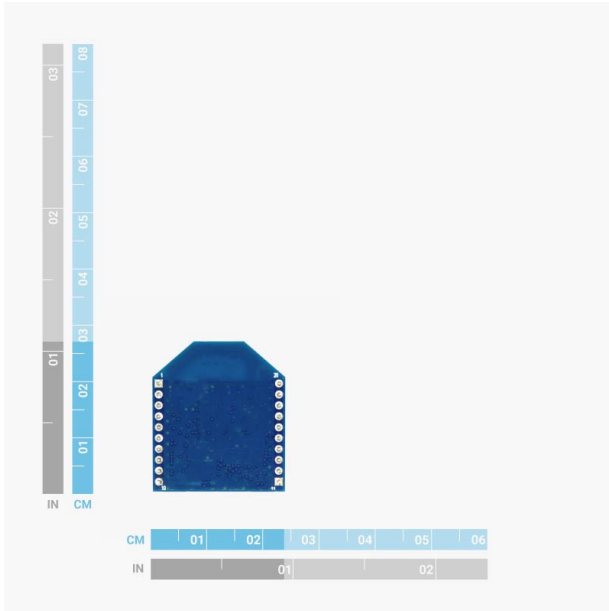Page 2 of 5

Specifications

Interfaces

- UART
- RS232 ([requires accessory](#))

MR radio features

- Communication: Unidirectional Point-to-Point (maximum 1 rover)
- Frequency: ISM 2.4 GHz
- Output power: 6.3 mW (8 dBm)
- Range in line of sight:
    - Urban: 250 meters
    - Rural: 600 meters
    - Rural with complete RF line of sight: 1'200 meters
- Antenna type: internal
- Operating temperature Range: -40 to +85deg
- Documentation: RED, RoHS, FCC, IC

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Image Gallery

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Documentation

User Guide   https://www.ardusimple.com/xbee-antenna-installation-guide/

Radio Module Medium Range (MR) includes free basic technical support. Contact info@ardusimple.com for more information.
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