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# "Low Cost" transmitters & receivers, ASK/FSK European and American versions



These transceivers enable an economic single-way **AM/FM digital link** over a range of **400m**. They are used as an asynchronous serial channel where the useful data rate ranges from **1.2 to 9.6kBps Manchester**. The transmission protocol remains up to the user.

They use the 868 MHz band.

The products are available as **miniature daughter boards** to be integrated.

The applications covered range from **radio remote control** of gates, roller-blinds, **point to point transmission**, micro-networks ... in **general public or tertiary sectors of activity**, home automation, access control, alarms... ; and more generally all **low and medium rate data transmission applications** where security depends on information redundancy.

## Specifications

#### Receiver

#### Superheterodyne

Frequency

- Bandwidth
- Serial digital output
- Supply voltage
- Rated consumption
- Sensitivity
- Sizes
- Transmitter

## Crystal frequency reference

- Frequency
- Radiated RF power
- Modulation
- Serial digital input
- Supply voltage
- Rated consumption
- Size

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### **Complete system**

- Range
- Raw data rate

our distributor

Operating temperature

## **869MHz version (Europe)**

- 869.525MHz 100kHz 0-Vcc 2.2 à 5V 10mA -113dBm (ASK) -107dBm (FSK) 26 x 15 x 7mm (ASK) 25 x 16 x 7mm (FSK)
- 869.525MHz 10mW (10dBm) ASK 100% or FSK +/- 25kHz 0-Vcc 2 to 5V 15mA 25 x 14 x 7mm

#### 400m 1 2kbps to 9 6

1.2kbps to 9.6kbps Manchester -20 / +70°C

## 915MHz version (USA)

915MHz Idem Idem Idem Idem Idem Idem Idem

915MHz 750µW (~-1 dBm) Idem Idem Idem Idem Idem

Idem Idem Idem

869.52MHz ARF7242A ARF7242B

ARF7245A

ARF7244A

## Part Numbers

ARF7244B

915MHz ARF7242D ARF7242E ARF7245C \_\_\_\_\_

ASK transmitter FSK transmitter ASK receiver FSK receiver

# Adeunis

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