



## « Low cost » multi-channel radio modem RS232 – 433/434MHz



The ARF33 enables **two-way half duplex wireless data transmission** over a range of **500m**.

It integrates a **10-channel radio transceiver, a digital processing unit and a wide power supply range** on the same board.

It is available as an **IP65 enclosure** ready for approved use.

This modem uses the 433/434MHz band according to the European Directive RTTE EN300-220/EN301-489 and is **approved**.

Data transfer in transparent mode is performed via an **RS232 serial port**.

Configuration is performed by **AT commands**.

It covers most **short-distance wireless data transmission applications**, from remote meter reading type **point to point transmission** to constitution of **cordless multipoint local networks**, in sectors of activity such as **automation, robotics, remote management** ....

## Specifications

### RF

• Programmables frequencies	<b>433.125 to 434.700MHz</b>
• Radiated RF power	<b>10mW (10dBm)</b>
• Sensitivity	<b>-100dBm</b>
• Number of channels	<b>10</b>
• Modulation	<b>FSK</b>
• Data rate	<b>10Kbits/s</b>

### Modem interface

• Wired transmission rate	<b>9.6kbps</b>
• Serial ports	<b>RS232</b>
• Flow control	<b>None</b>
• Set up & configuration	<b>Through AT commands</b>
• Modes	<b>Transparent</b>

### General informations

• Supply voltage	<b>8 to 40V</b>
• Rated consumption	<b>50mA (under 24V)</b>
• Operating temperature	<b>-30 / +70°C</b>
• Range	<b>500m on open field</b>
• Size	<b>145 x 100 x 40mm + 170mm antenna</b>
• Packaging	<b>IP65 box</b>
• Standard compliance	<b>EN300-220 / EN301-489 (full certified modem)</b>

## Part Numbers

**ARF7095B** : Modem RS232 – IP65 box

## Your distributor