

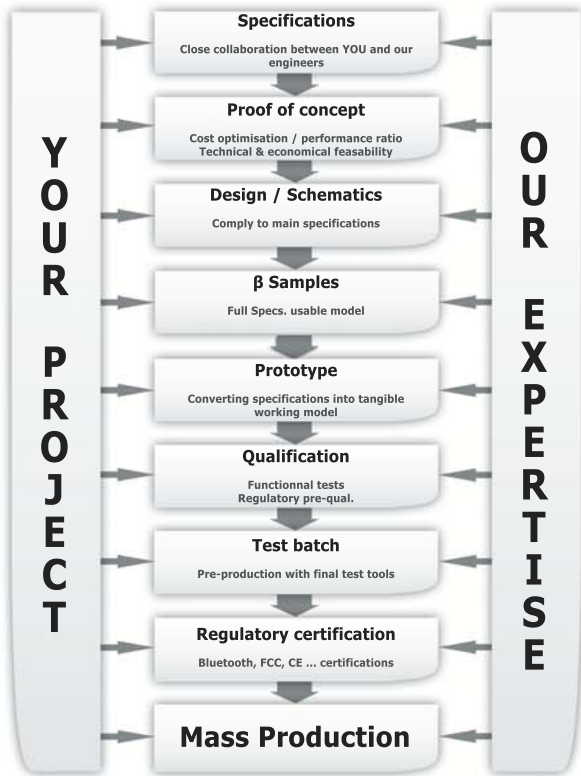


From idea ... to product ... to market ...

*"Short time to market through wireless engineering expertise combined with low-cost production"*



- M2M
- Home automation
- Access Control
- Alarm
- POS / Mobile payment
- Logistic & storage
- Telemetry
- Industrial automation
- Transportation
- Displays
- Fleet management
- On-board systems
- Healthcare ...



Based on 17 years of experience in developing and producing wireless products, we can handle your complete project.

But we can also be your partner and expert for one or another of the go-to-market steps.

Short form catalogue

RF Modules



RF Stand-alone



Custom design



Accessories



Company overview

Founded in 1993, Adeunis RF is a privately owned independent Company, designing and manufacturing solely Wireless Products. Based in the High Tech Valley near Grenoble and Partnered with several research institutes and organizations, we benefit from unique technical expertise.

With an installed base of more than 4 million units and an annual production exceeding 500 000 pieces, we have acquired experience in a myriad of markets and applications requiring wireless connectivity. Our success is not only based on profitability and market share, but on building enduring, long term partnerships with our Customers based on our core values of innovation, quality, compliance and environmental responsibility.



Your local distributor :



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V11

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Licence free  
operating temperature -20 / +70°C

# Twimo RF Modules

The most versatile range of wireless modules



### Applications :

Energy - Industrial automation - Transport  
Display management - Lighting control  
Military - Medical

Model Part number	Frequency MHz	Channel	RF Power mW	Supply V	Current mA	Sensitivity dBm	Air rate kbps	Size mm	Range m
<b>&gt;&gt; HP868</b>									
ARF7581-RTU	869,525	5	Up to 500	3-3.6	Rx 18 - Tx 600	27	10/38.4/57.6	16x32x3	6000
<b>&gt;&gt; MP868</b>									
ARF7580-RTU	863-870	13	Up to 50	3-3.6	Rx 18 - Tx 130	17	10/38.4/57.6	16x32x3	1000
<b>&gt;&gt; LP868</b>									
ARF7579-RTU	863-870	13	Up to 10	3-3.6	Rx 4.5 - Tx 27	14	10/38.4	16x26x3	300

# Transmitters

Single-way wireless transmission



### Applications :

Home automation - access control  
- alarm - remote controls

Model Part number	Frequency MHz	AM FM	RF Power mW	Supply V	Current mA	Air rate kbps	Size mm	Range m
<b>&gt;&gt; ARF19</b>								
ARF7242A	869,52	x	10	2 to 5	15	1,2 to 2,4	25x14x7	400
ARF7242B	869,52	x	10	2 to 5	15	1,2 to 9,6	25x14x7	300
ARF7242D	915,00	x	750µW	2 to 5	15	1,2 to 2,4	25x14x7	300
ARF7242E	915,00	x	750µW	2 to 5	15	1,2 to 9,6	25x14x7	200
<b>&gt;&gt; ARF27</b>								
ARF7243A	869,52	x	500	2,7 to 5	150 to 600	1,2 to 2,4	24x30x7	4000

# Receivers

Single-way wireless transmission



### Applications :

Home automation - access control  
- alarm - remote controls

Model Part number	Frequency MHz	AM FM	Bandwidth kHz	Supply V	Current mA	Sensitivity dBm	Air rate kbps	Size mm
<b>&gt;&gt; ARF19 / ARF27</b>								
ARF7245A	869,52	x	100	2,2 to 5	10	-113	1,2 to 2,4	26x15x7 Superheterodyne
ARF7244A	869,52	x	100	2,2 to 5	10	-107	1,2 to 9,6	25x16x7 Superheterodyne
ARF7245C	915,00	x	100	2,2 to 5	10	-113	1,2 to 2,4	26x15x7 Superheterodyne
ARF7244B	915,00	x	100	2,2 to 5	10	-107	1,2 to 9,6	25x16x7 Superheterodyne

# Transceivers with µC

Half duplex two-way digital link



### Applications :

Thermal regulation - professional GPRS  
- telemetering - intercom - file transfert  
>> ASK FOR THE DEMOKIT

Model Part number	Frequency MHz	RF Power mW	Supply V	Sensitivity dBm	Serial rate kbps	Size mm	Range m	Channel	Link set up & configuration	UART ports	TTL Mode*	Function	Antenna
<b>&gt;&gt; ARF44</b>													
ARF7419A	863/870	8	2,7 to 3,6	-103	19,2	27x24x6	300	14	AT command			TXD-RXD	External
<b>&gt;&gt; ARF54</b>													
ARF7429A	869,40/869,65	500	3 to 3,6	-108 (WB) -112 (NB)	0,6 to 115	42x20x4	5000	1 (WB) 3 (NB)	AT command			TXD-RXD -RTS-CTS	T/A/R External
ARF7429B	902/928	500	3 to 3,6	-108 (WB) -112 (NB)	1,2 to 57,6	42x20x4	5000	up to 50	AT command			TXD-RXD -RTS-CTS	T/A/S External

\* Function mode : = T / = A / = R

# Bluetooth®

Half duplex two-way digital link



### Applications :

Medical - ticketing  
- fully compatible with Bluetooth®  
from PDA's, laptop & GSM  
>> ASK FOR THE DEMOKIT

Model Part number	Frequency GHz	Type	Supply V	Sensitivity dBm	Serial rate kbps	Size mm	Range m	UART ports	Link set up & configuration	Profiles GAP, SDAP	
<b>&gt;&gt; ARF32</b>											
ARF7044A	2,45 FHSS	Class2 "Data"	3,3	-85	9,6 to 921,6	25x18x3.5	20		TXD-RXD -RTS-CTS		
ARF7208A	2,45 FHSS	Class2 "Data & analog Audio"	3	-85	9,6 to 921,6	25x18x5	20		TXD-RXD -RTS-CTS	HSP*, HFP** AG***	
ARF7208D	2,45 FHSS	Class2 "Data & digital Audio"	3	-85	9,6 to 921,6	25x18x5	20		TXD-RXD -RTS-CTS	HSP*, HFP** AG***	
<b>&gt;&gt; ARF52</b>											
ARF7456A	2,45 FHSS	Class1 "Data"	3 to 3,6	-85	9,6 to 921,6	33x18x6	150		TXD-RXD -RTS-CTS	AT command	Integrated
ARF7456B	2,45 FHSS	Class1 "Data"	3 to 3,6	-85	9,6 to 921,6	33x18x6	150		TXD-RXD -RTS-CTS	AT command	uFL antenna connector

\* HSP : Headset profile \*\*HFP : Hands free profile \*\*\*AG : Audio Gateway

>> See also our accessories short form catalogue

# DemoKits

Perform your new application in few minutes



### Applications :

Evaluate Adeunis RF products'  
Perform RF measurements  
Develop a prototype

## >> REMOTE CONTROL versions

ARF7439M ARF18 DemoKit - 869,525MHz version  
ARF7439S ARF18 DemoKit - 433,92MHz version

## >> TWIMO RF MODULES versions

ARF7690B MP module Starter kit - 869,525MHz version  
ARF7690C HP module Starter kit - 869,525MHz version

## >> TRANSCIVERS WITH µC versions

ARF7439Q ARF54 DemoKit - 869,525MHz version

Also available for the ARF44 module, contact us for more information