

Short form catalogue

RF Modules



RF Stand-alone



RF Audio systems



Custom design



T ransceivers



Half duplex two-way digital link

Applications :
Industrial remote controls
- remote sensors - robotics

Model Part number	Frequency MHz	Channel	RF Power mW	Supply V	Current mA	Sensitivity dBm	Air rate kbps	Size mm	Range m	
>> ARF05										
ARF6899A	433,92	1	10	2,1 to 5	Rx 17 - Tx 20	-105	0,2 to 40	24x32x3	500	SMD
ARF6899B	433,92	1	10	2,1 to 5	Rx 17 - Tx 20	-105	0,2 to 40	24x32x3	500	Comclips
ARF7356A	869,52	1	8	2,1 to 5	Rx 17 - Tx 20	-105	0,2 to 40	24x32x3	500	SMD
ARF7356B	915,00	1	1	2,1 to 5	Rx 17 - Tx 20	-105	0,2 to 40	24x32x3	500	SMD
>> ARF29										
ARF6921A	869,42 to 869,62	2	500	3,3 to 5	Rx 25 - Tx 650	-105	19,2 Manchester	30x51x12	4000	Asynchronous
ARF6921C	869,42 to 869,62	5	500	3,3 to 5	Rx 25 - Tx 650	-110	4,8 Manchester	30x51x12	6000	Asynchronous
ARF6921E	869,42 to 869,62	1	500	3,3 to 5	Rx 25 - Tx 650	-103	38,4 Manchester	30x51x12	3000	Asynchronous
ARF6921G	869,42 to 869,62	1	500	3	Rx 25 - Tx 650	-103	76,8	30x51x12	3000	Synchronous
ARF6921H	869,42 to 869,62	2	500	3	Rx 25 - Tx 650	-105	38,4	30x51x12	4000	Synchronous
>> ARF40										
ARF6083A	433,92	1	10	5	Rx 16 - Tx 18	-105	9,6 or 19,2	63x54x14	400	
ARF7021A	869,00	2	500	5	Rx 30 - Tx 600	-107	9,6	63x54x14	3000	

R eceivers



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	
>> ARF09									
ARF6366A	433,92	x	<250	5	7	-110	1,2 to 2,4	40x20x3	Superheterodyne
>> ARF19 / ARF27									
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

T ransmitters



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
>> ARF09								
ARF6374A	433,92	x	10	5	14	1,2 to 2,4	46x18x3	500
ARF6374I	433,92	x	10	3	14	1,2 to 2,4	46x18x3	500
>> ARF19								
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
>> ARF27								
ARF7243A	869,52	x	500	2,7 to 5	150 to 600	1,2 to 2,4	24x30x7	4000
ARF7243B	869,52	x	500	2,7 to 5	150 to 600	1,2 to 9,6	24x30x11	3000

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ature -30 / +70°C

Transceivers with μ C

Half duplex two-way digital link



Applications :

- Thermal regulation - professional GPRS
- telemetry - intercom
- >> 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 TTL ports	Function Mode*	Antenna
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>> ARF34

ARF7151B	863/870	10/25/50	3 to 3,6	-105	0,6 to 115,2	55x20x4	500	14 (WB) 70 (NB)	AT command	TXD-RXD -RTS-CTS	T/A	External
ARF7525A	433/434	10/25/50	3 to 3,6	-110	0,6 to 115,2	42x20x4	1000	3 (WB) 15 (NB)	AT command	TXD-RXD -RTS-CTS	T/A	External
ARF7151A	863/870	10/25/50	3 to 3,6	-105	0,6 to 115,2	55x20x4	500	14 (WB) 70 (NB)	AT command	TXD-RXD -RTS-CTS	T/A	Integrated

>> ARF44

ARF7419A	863/870	8	2,7 to 3,6	-103	19,2	27x24x6	300	14	AT command	TXD-RXD	T	External
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>> ARF54

ARF7429A	869,40/ 869,65	500	3 to 3,6	-108 (WB) -112 (NB)	0,6 to 115	42x20x4	5000 6000	1 (WB) 3 (NB)	AT command	TXD-RXD -RTS-CTS	T/A	External
ARF7429B	902/928	500	3 to 3,6	-108 (WB) -112 (NB)	1,2 to 57,6	42x20x4	5000 6000	up to 50	AT command	TXD-RXD -RTS-CTS	A/S	External

* Function mode : Transparent = T / Addressed = A / Secured = S

Bluetooth®

Half duplex two-way digital link



Applications :

- File transmission - ticketing
- fully compatible with PDA's, laptop & Bluetooth® 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
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>> ARF32

ARF7044A	2,45 FHSS	Class2 "Data"	3,3	-85	9,6 to 921,6	25x18x3.5	20	TXD-RXD -RTS-CTS		
ARF7208A <i>New</i>	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***

>> ARF52

ARF7456A	2,45 FHSS	Class1 "Data"	3 to 3,6	-85	9,6 to 921,6	33x18x6	150	TXD-RXD -RTS-CTS	AT command	
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* HSP : Headset profile **HFP : Hands free profile ***AG : Audio Gateway

DemoKits *New*

Perform your new application in few minutes



Applications :

- Evaluate Adeunis RF products'
- Perform RF measurements
- Develop a prototype

>> TRANSCIVERS WITH μ C versions

ARF7439O	ARF34 DemoKit - 863/870MHz - 10/25/50mW
ARF7439N	ARF34 DemoKit - 433/434MHz - 10/25/50mW
ARF7439K	ARF44 DemoKit - 863/870MHz - 8mW
ARF7439Q	ARF54 DemoKit - 869MHz - 500mW
ARF7439R	ARF54 DemoKit - 902/928MHz - 500mW

>> BLUETOOTH® versions

ARF7069B	ARF32 DemoKit - Class2 "Data" version
ARF7213B	ARF32 DemoKit - Class2 "Data & analog or digital Audio" version
ARF7469B	ARF52 DemoKit - Class1 "Data" version

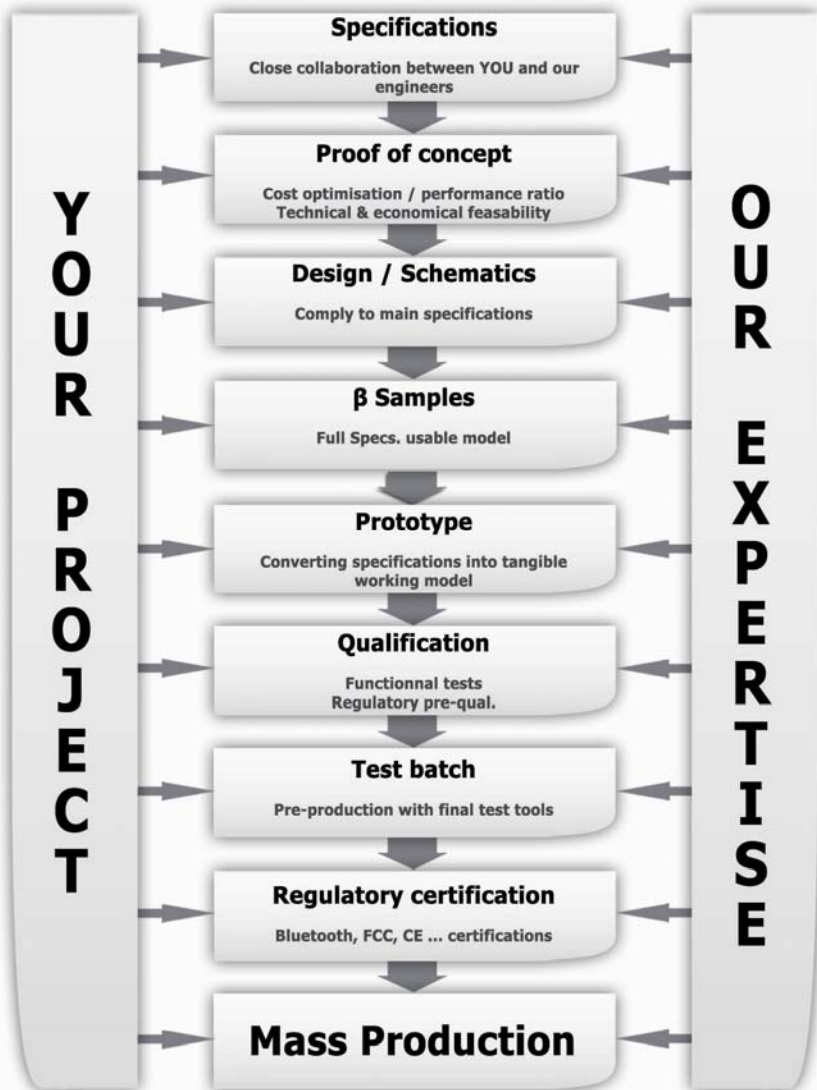
Custom design

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

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



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



Based on 15 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.

Company overview

- > 100% French owned company
- > Date of birth : 1993
- > Workforce : 34 (50% dedicated to R&D)
- > Production : 400 000 units/year
- > Turnover: 100% export sales growth
- > New premises of 1300m² built in 2000

Settled in the Alps, Birthplace of microelectronics, ADEUNIS RF is THE very specialist in designing, manufacturing and marketing of 100% wireless solutions made with the state-of-the-art technologies in compliance with the standards.

The products that we develop (OEM modules & "ready for use" solutions) and the services we offer range over any kind of wireless application: from the consumer market to the most industrial ones , as well as applications that require "long range" transmission or in harsh environments.

As a true partner for your projects, we use our set of skills to support you through every steps of your development ; this way you can minimize the technological risks and reduce the "time to market" of your products with very competitive prices.

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