

Short form catalogue

RF Stand-alone



RF Modules



RF Audio systems



Custom design



Data modems



Half duplex two-way wireless data transmission

Applications :

- Remote management - urban traffic control - automation
- multipoint local networks

Model Part number	Frequency MHz	Power mW	Sensitivity dBm	Serial rate kbps	Supply V	Serial port	Flow control	Config. command	Mode*	Range m	Channel	Antenna
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>> ARF33 - Low-cost version

ARF7095B	433,12 to 434,70	10	-100	9,6	8 to 40	RS232	None	AT	T	500	10	Integrated
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>> ARF43 - Middle-range versions

ARF7263E	863/870	50	-105	0,6 to 115,2	4,5 to 36	RS232 RS485	None RTS/CTS	AT	T/A	1000	14 (WB) 70 (NB)	Integrated
ARF7263G	863/870	50	-105	0,6 to 115,2	4,5 to 36	RS232 RS485	None RTS/CTS	AT	T/A	1000	14 (WB) 70 (NB)	External
ARF7263F	863/870	50	-105	0,6 to 115,2	4,5 to 36	USB self-powered	None RTS/CTS	AT	T/A	1000	14 (WB) 70 (NB)	Integrated
ARF7263H	863/870	50	-105	0,6 to 115,2	4,5 to 36	USB self-powered	None RTS/CTS	AT	T/A	1000	14 (WB) 70 (NB)	External

>> ARF53 - enhanced versions + repeater

ARF7474D	869,4 to 869,65	500	-108 (WB) -112 (NB)	1,2 to 57,6	4,5 to 36	RS232 RS485	None RTS/CTS	AT	T/A/R	6000	1 (WB) 3 (NB)	Integrated
ARF7474F	869,4 to 869,65	500	-108 (WB) -112 (NB)	1,2 to 57,6	4,5 to 36	RS232 RS485	None RTS/CTS	AT	T/A/R	6000	1 (WB) 3 (NB)	External
ARF7474H	869,4 to 869,65	500	-108 (WB) -112 (NB)	1,2 to 57,6	4,5 to 36	USB self-powered	None RTS/CTS	AT	T/A/R	6000	1 (WB) 3 (NB)	Integrated
ARF7474J	869,4 to 869,65	500	-108 (WB) -112 (NB)	1,2 to 57,6	4,5 to 36	USB self-powered	None RTS/CTS	AT	T/A/R	6000	1 (WB) 3 (NB)	External
ARF7474C	902 to 928	500	-108 (WB) -112 (NB)	1,2 to 57,6	4,5 to 36	RS232 RS485	None RTS/CTS	AT	A/S	6000	50 FHSS	Integrated
ARF7474E	902 to 928	500	-108 (WB) -112 (NB)	1,2 to 57,6	4,5 to 36	RS232 RS485	None RTS/CTS	AT	A/S	6000	50 FHSS	External
ARF7474G	902 to 928	500	-108 (WB) -112 (NB)	1,2 to 57,6	4,5 to 36	USB self-powered	None RTS/CTS	AT	A/S	6000	50 FHSS	Integrated
ARF7474I	902 to 928	500	-108 (WB) -112 (NB)	1,2 to 57,6	4,5 to 36	USB self-powered	None RTS/CTS	AT	A/S	6000	50 FHSS	External

>> ARF73 - UHF Professional Radio Modem

ARF7499B	400 to 470	0.5W to 4W	-115	9.6 to 38.4	10 to 28	RS232 RS422	None RTS/CTS	AT	T/A/R	50km	16	External
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* Mode : Transparent = T / Addressed = A / Secured = S / Repeater = R

Wifi modems



RS232/WIFI Gateway - 802,11b/g/i

Applications :

- Industrial automation - logistics
- data acquisition - building automation

Model Part number	Frequency GHz	Power mW	Sensitivity dBm	Serial rate kbps	Supply V	Interface	Flow control	Config.	Mode*	Range m	Security
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>> ARF45

ARF7532I	2,41 to 2,48	32	-82	2,4 to 921,6	8 to 30	RS232	RTS/CTS	RS232 Telnet / Http	T	200	WEP64, WEP128, WPA-PSK
ARF7532K	2,41 to 2,48	32	-82	2,4 to 230	8 to 30	RS232		RS232 Telnet / Http	T	200	WEP64, WEP128, WPA-PSK, WPA2-PSK WPA2-Enterprise

Bluetooth® Dongle

Full duplex data transfer - RS232 adaptor



Applications :

- Wireless connection of any devices with RS232 serial port profile (Notebook, PDA, PC...)

Fully Bluetooth® V2 certified

Model Part number	Frequency GHz	Type	Supply V	Sensitivity dBm	Serial rate kbps	Size mm	Range m	UART ports	Link set up & configuration	Power supply connectors	Profiles GAP,SDAP
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>> ARF62

ARF7501B	2,41 to 2,48	Class1	3.8 to 20	-87	9.6 to 115.2	65x40x25	150	TXD-RXD TRS-CTS	AT commands	DCE/DB9F +power supply	SPP,DUN
ARF7502B	2,41 to 2,48	Class1	3.8 to 20	-87	9.6 to 115.2	65x40x25	150	TXD-RXD TRS-CTS	AT commands	DTE/DB9M +power supply	SPP,DUN
ARF7503C	2,41 to 2,48	Class1	3.8 to 20	-87	9.6 to 115.2	65x40x25	150	TXD-RXD TRS-CTS	AT commands	DTE/DB15HD M selfpowered	SPP,DUN
ARF7509A	2,41 to 2,48	Class1	3.8 to 20	-87	9.6 to 115.2	65x40x25	150	TXD-RXD TRS-CTS	AT commands	"Cable replacement pack" DCE/DB9F+DTE/DB9M	SPP,DUN

Directive and/or FCC part 15 full certified
temperature -30 / +70°C

Remote control

Universal wireless logic state controls



- Applications :**
- Domestic remote control - home automation - systems automation - robotics
- >> ASK FOR THE DEMOKIT

>> ARF18

Model Part number	Key numbers	Freq. MHz	1-way version	2-ways version	Power mW	AM FM	Range m
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>> REMOTE CONTROL

ARF7291A	1	433,92	x		1	x	300
ARF7291B	2	433,92	x		1	x	300
ARF7291C	3	433,92	x		1	x	300
ARF7291D	4	433,92	x		1	x	300
ARF7291R	8	433,92	x		1	x	300
ARF7292A	1	869,52		x	6	x	300
ARF7292B	2	869,52		x	6	x	300
ARF7292C	3	869,52		x	6	x	300
ARF7292D	4	869,52		x	6	x	300

Model Part number	Freq. MHz	1-way version	2-ways version	Supply V	AM FM	Current mA
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>> RECEIVERS

ARF7293A	OEM receiver	433,92	x	3,3	x	15	Outputs : serial interface level, 0/VCC - 4 binary outputs
ARF7294A	OEM receiver	869,52		3,3	x	15	Outputs : serial interface level, 0/VCC - 4 binary outputs
ARF7341B	4 relays	433,92	x	15 to 30	x	30	Relays : 3NO + 1 NO/NC Switching capacity : 230VAC max 10A
ARF7263K	RS232 serial decoder	433,92	x	8 to 30	x	20	8 bits, no parity, 1 stop - Config via AT commands
ARF7263S	USB serial decoder	433,92	x		x		8 bits, no parity, 1 stop - Config via AT commands

Status transfer

I/O one-way transmission



Applications :

- Information transfer - remote control
- remote management
- security system

Model Part number	Transmitter:TX Receiver:RX	Freq. MHz	Power mW	Sensitivity dBm	Supply V	Current mA	Digital:D Analog:A	Interface	Range m
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>> ARF20

ARF6188B	TX	433/434	10		15 to 30	30	D	8 digital inputs	400
ARF6493B	TX	433/434	10		15 to 30	30	A	4 analog inputs	400
ARF6189B	RX	433/434		-105	9 to 30	53	D	8 open collectors outputs	400
ARF6678B	RX	433/434		-105	15 to 30	53	D	4 relays outputs	400
ARF6494B	RX	433/434		-105	15 to 30	53	A	4 analog outputs	400

>> ARF30

ARF6188E	TX	869,52	500		15 to 30	30/450	D	8 digital inputs	4000
ARF6493E	TX	869,52	500		15 to 30	30/450	A	4 analog inputs	4000
ARF6189E	RX	869,52		-103	9 to 30	53	D	8 open collectors outputs	4000
ARF6678E	RX	869,52		-103	15 to 30	53	D	4 relays outputs	4000
ARF6494E	RX	869,52		-103	15 to 30	53	A	4 analog outputs	4000

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 - 869,52MHz version
ARF7439S	ARF18 DemoKit - 433,92MHz version

Custom design

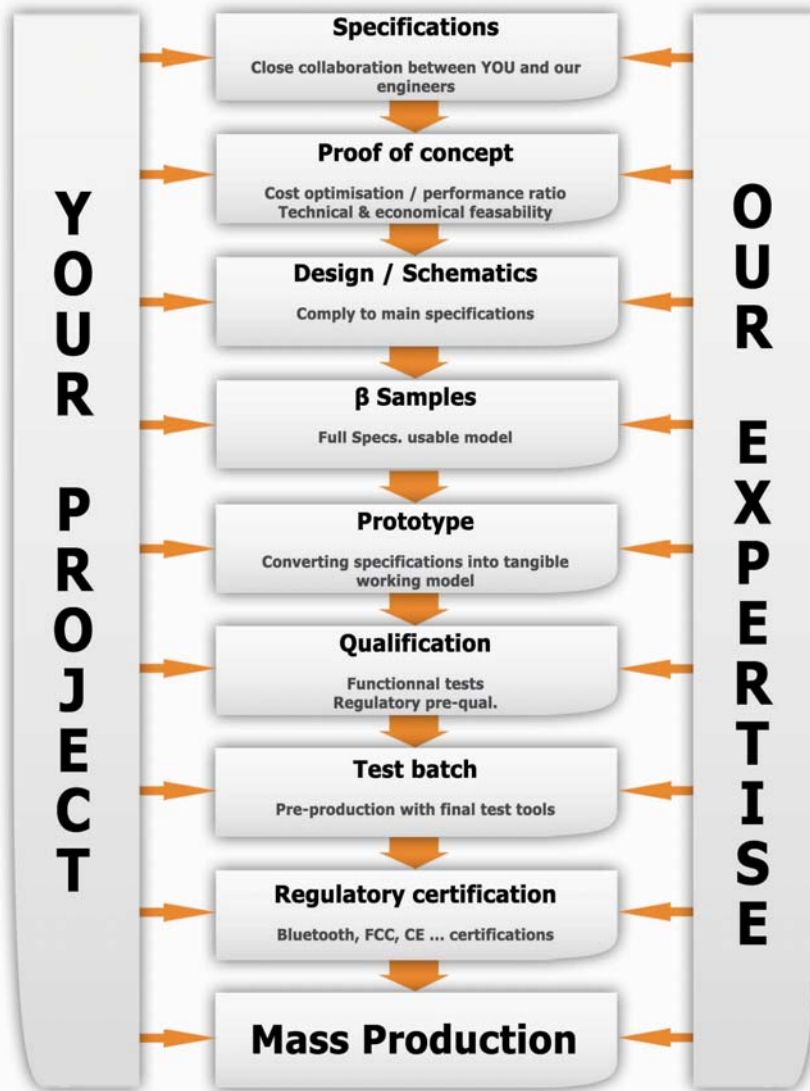


From idea ... to product ... to market ...

"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 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

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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