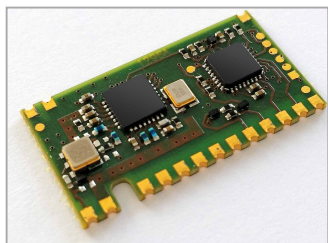




We connect everything
wireless modules

www.aurelwireless.com

868 MHz Mesh Network for Home Automation



RFT 868 SML

3V RF Transceiver with stack embedded controlled via AT commands.



RFT 868 RL2 220V

Actuator with 2 relays to be installed in a flushing mounting box. It can switch on/off lights, fans, and loads up to 1500W. 220VAC main supplied.



RFT 868 4CH

Hand held transmitter for controlling actuators of the network and/or alarm system.



RFT 868 USB

USB dongle to allow a PC/gateway to be the master of the network.



RFT 868 SIR

Infrared sensor for movement detection.



RFT 868 MAG

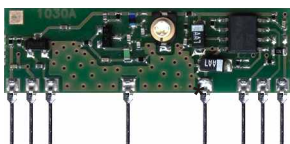
Door/gate opening detector.



Index

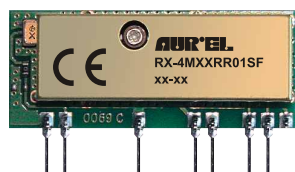
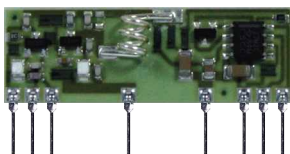
Receivers	3 / 4
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LOW COST

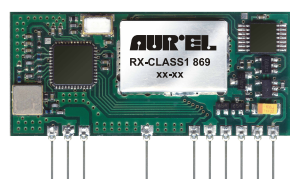


* Available also with dipping

LOW CONSUMPTION

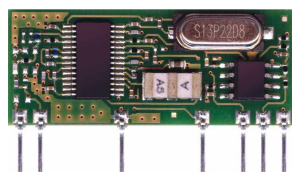


CLASS 1

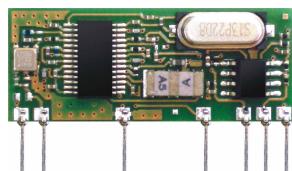


Model Part Number	Type		Modulation		Supply		Frequency		Current Supply mA	Sensitivity dBm	Dimension (HxLxD) mm	Note
	Super- Regenerative	Super- Heterodyne	ASK (AM)	FSK (FM)	3V	5V	434 MHz	868 MHz				
AC-RX2/CS* 650201133G	●		●			●	●		2.5	-106	38.1x12.3x5.5	Wide Band
BC-NB 3V3 650200350G	●		●		●		●		0.4	-99	38.1x13.7x5.5	Wide Band Low Cost 400 µA
RX-4M30RR01SF 650200590G	●		●		●		●		0.07	-100	40.1x17.5x5.5	Shielded SAW Filtered 70 µA
RX-CLASS1 869 650201247G		●		●	●	●		●	40	-115	47.7x20.9x3.7	Narrow Band 869.25 MHz Social Alarms

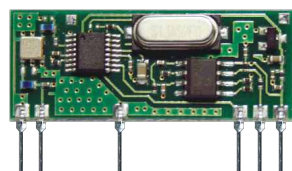
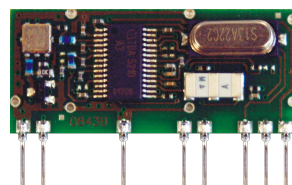
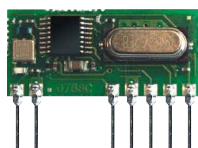
HIGH SENSITIVITY & IMMUNITY RECEIVERS



* 3V available

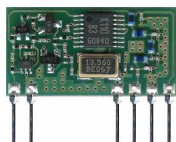
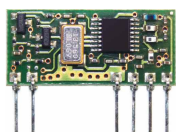
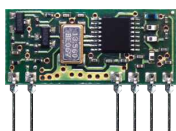
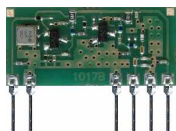


* 3V available



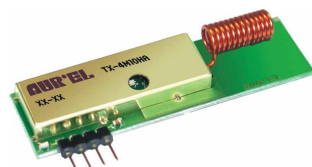
Model Part Number	Type		Modulation		Supply		Frequency		Current Supply mA	Sensitivity dBm	Dimension (HxLxD) mm	Note
	Super- Regenerative	Super- Heterodyne	ASK (AM)	FSK (FM)	3V	5V	434 MHz	868 MHz				
RX-4MM5/F * 650201110G		●	●			●	●		7.5	-114	36.5x14.5x5	Super-Het Output Filter
RX-4MM5++/F * 650201140G		●	●			●	●		7.5	-113	36.5x15x5	Super-Het SAW Filter Output Filter
RX-MID 3V 650201034G		●	●		●		●		6	-111	25.4x12.4x4	Tiny Size Super-het SAW Filtered
RX-4M50RR30SF 650200527G	●		●			●	●		3	-106	40.1x17.5x5.5	Shielded & SAW Filtered
RX-FM4SF 433.92 650201096G		●		●		●	●		5.6	-105	38x17x4	FSK High Selectivity Super-het
RX-FM8SF 868.30 650201097G		●		●		●	●		5.6	-105	38x17x4	FSK High Selectivity Super-het
RX-8ML5/F 650201220G		●	●			●		●	10	-113	36.5x15x4.2	Super-Het Output Filter
RX-8ML5++/F 650201208G		●	●			●		●	10	-113	36.5x15x4.2	Super-Het Output Filter SAW Filter

EXTERNAL ANTENNA

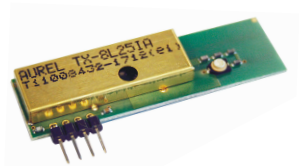


Model Part Number	Type		Modulation		Supply		Frequency		Current Supply mA	Output Power mW	Dimension (HxLxD) mm	Note
	SAW	PLL	ASK (AM)	FSK (FM)	3V	5V	434 MHz	868 MHz				
TX-SAW MID 3V/CS 650201131G	●		●		●		●		3+7	10	25.4x12.5x2.5	434 MHz ASK 3V
TX-SAW MID 5V/CS 650201132G	●		●			●	●		3+7	10	25.4x12.5x2.5	434 MHz ASK 5V
TX-FM-MID 650200926G		●		●	●		●		14	10	25.4x12.4x2.5	434 MHz FSK 3V
TX-AM 868 MID 650201182G		●	●		●			●	5	10	25.4x12.4x2.5	868 MHz ASK 3V
TX-FM 868 MID 650201130G		●		●	●			●	16	10	25.4x13.5x2.5	868 MHz FSK 3V
TX-4M10HA 650200819G	●		●		●		●		25	10	56x18.5x10	434 MHz ASK
TX-8L25IA 650200846G	●		●		●		●		25	25	56x18.5x10	868 MHz ASK

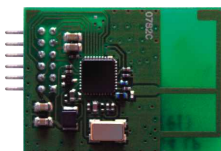
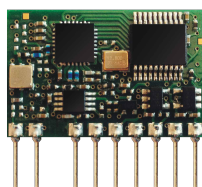
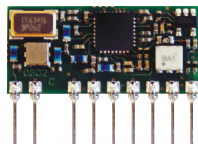
INTEGRATED ANTENNA



* Available for vertical mounting



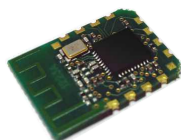
* Available for vertical mounting



* Demoboard available on demand.



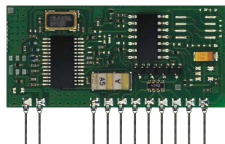
* Available with external antenna
XTR VF 2.4 HP/H-AE - 650201353G
Demoboard available on demand.



Model Part Number	Modulation		Supply		Frequency			Sensitivity dBm	Current Supply mA	Output Power mW	Dimension (HxLxD) mm	Note
	ASK (AM)	FSK (FM)	3V	5V	434 MHz	868 MHz	2.4 GHz					
RTX MID 3V 650201033G	●		●		●			-110	15 TX 7 RX 1µA SB	10	25.4x12.5x2.5	434 MHz ASK Tiny Size 3V
RTX MID 5V 650201044G	●			●	●			-110	15 TX 7 RX 1µA SB	10	25.4x12.5x2.5	434 MHz ASK Tiny Size 5V
RTX MID 868 OOK 650201259G	●		●	●		●		-108	20 TX 6.8 RX 1µA SB	10	26x17.2x3.2	868 MHz ASK Tiny Size
RTX MID 868 FSK 650201258G		●	●	●		●		-109	31 TX 6.8 RX 1µA SB	10	26x17.2x3.2	868 MHz FSK Tiny Size
NEW RTX 868 FSK 650201343G		●	●			●		-109	31 TX 6.8 RX 1µA SB	10	25.4x22x2.5	868 MHz FSK 2 Channels
XTR VF 2.4 LP * 6502001025G		●	●				●	-93	34 TX 21 RX 0.8 µA	2	32x25x5	Low power up to 1 Mbps 78 channels
NEW * XTR VF 2.4 HP/H-AI 650201342G		●	●				●	-100	100 TX 31 RX 2 µA	20	32x25x5	High power up to 1 Mbps 78 channels
NEW RF4CE SMD 650201314G		●	●				●	-89	25	3	20x15x2	Compatible with RF4CE standard Ideal for set top box & multimedia devices
NEW XTR SE 2.4 650201322G		●	●				●	-93	110 µA	10	51x25x4	2.4 GHz transceiver for gate shutters safety edge

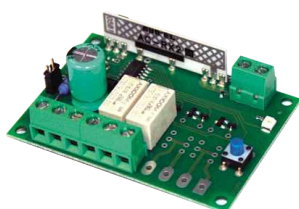
LOW CONSUMPTION RECEIVER & KEYFOB

Model Part Number	Modulation		Supply		Frequency		Current Supply	Sensitivity	Output Power	Dimension (HxLxD)	Note
	ASK (AM)	FSK (FM)	3V	5V	434 MHz	868 MHz					
							mA	dBm	mW	mm	
RX 4M μP/LP 650201168G	●			●	●		0.1	-114		41x20x3	Low Power (100 μ A) μ P embedded
TX 2M μP/LP 650201165G	●		●		●		10		0.5	75x40x16	ASK 434 Keyfob 2CH μ P embedded
TX 4M μP/LP 650201166G	●		●		●		10		0.5	75x40x16	ASK 434 Keyfob 4CH μ P embedded



HCS RECEIVERS & DECODERS

Model Part Number	Modulation		Supply		Frequency		Current Supply	Sensitivity	Dimension (HxLxD)	Note
	ASK (AM)	FSK (FM)	5V	12V	434 MHz	868 MHz				
							mA	dBm	mm	
RX-4M HCS 650200997G	●		●		●		3	-106	39x17.5x5	HCS decoder emb. 4 open collector output
RX-4M HCS 4B 650201036G	●		●		●		3	-106	39x17.5x5	HCS decoder emb. 4 binary output
HCS-DEC 1 650201009G	●			●	●		66 ac 52 dc	-100	65x45x18	1CH 434 MHz Decoder board
HCS-DEC 2 650201014G	●			●	●		66 ac 52 dc	-100	65x45x18	2CH 434 MHz Decoder board
HCS-DEC 4 650200994G	●			●	●		66 ac 52 dc	-100	65x45x18	4CH 434 MHz Decoder board



HCS KEYFOBS

Model Part Number	Modulation		Supply		Frequency		Current Supply mA	Output Power mW	Dimension (HxLxD) mm	Note
	ASK (AM)	FSK (FM)	3V	12V	434 MHz	868 MHz				
HCS TX1/2/3 650200693G 650200683G 650200684G	●		●		●		10	0.5	54x43x11	ASK 1/2/3 CH Keyfob 434 MHz
HCS TX1/2/3 868 650200910G 650200714G 650200891G	●		●			●	10	0.5	54x43x11	ASK 1/2/3 CH Keyfob 868 MHz
TX1/2/3 HCS 433-A 650200765G 650200808G 650200759G	●			●	●		10	0.5	56.5x35x13.5	ASK 1/2/3 CH 434 MHz
TX 2/4/6M HCS 650200900G 650200901G 650200828G	●			●	●		15	1	75x40x16	ASK 2/4/6 CH 434 MHz
TX 2/4/6M HCS 868 650201142G 650201143G 650201144G		●		●	●		16	1	75x40x16	FSK 2/4/6 CH 868 MHz
TX 12CH EVO 650201226G	●		●		●		10	1	85.5x54x10.5	ASK 12 CH 434 MHz
TX KEY 15 650201297G	●		●		●		40	10	169x75x32	ASK 15 CH 434 MHz High Power



'OVO' CASE



'HCS' CASE



'M' CASE



'12CH' CASE



'KEY' CASE

I codici P.N. si riferiscono a telecomandi programmati con codice AUREL.
Above P.N. refer to keyfobs programmed with AUREL manufacturer code

DIP SWITCH KEYFOBS



'TK' CASE

Model Part Number	Modulation		Supply		Frequency		Current Supply	Output Power	Dimension (HxLxD)	Note
	ASK (AM)	FSK (FM)	3V	12V	434 MHz	868 MHz				
							mA	mW	mm	
TX12E 1TK 650201000G	●			●	●		10	1	65.5x37x15	ASK 1CH Keyfob HT12E Encoder
TX12E 2TK 650201001G	●			●	●		10	1	65.5x37x15	ASK 2CH Keyfob HT12E Encoder
TX 1TK SAW433 650200134G	●			●	●		10	1	65.5x37x15	ASK 1CH Keyfob 145026 Encoder
TX 2TK SAW433 650200135G	●			●	●		10	1	65.5x37x15	ASK 2CH Keyfob 145026 Encoder

CLONER

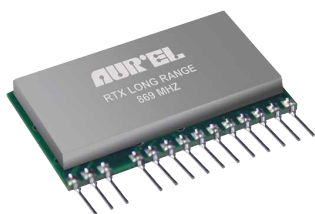


'RFT' CASE

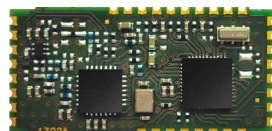
Model Part Number	Modulation		Supply		Frequency		Current Supply	Output Power	Dimension (HxLxD)	Note
	ASK (AM)	FSK (FM)	3V	12V	434 MHz	868 MHz				
							mA	mW	mm	
TX 4M CP New code!	●		●		●		10	1.2	75x40x16	Universal Remote Cloner (fixed code)

NEW

LONG RANGE TRANSCEIVERS



* Demoboard available on demand.



* Demoboard available on demand.

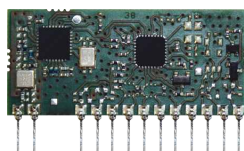
Model Part Number	Modulation		Supply		Frequency		Current Supply	Sensitivity	Output Power	Dimension (HxLxD)	Note
	ASK (AM)	FSK (FM)	3V	5V	434 MHz	868 MHz					
NEW											
RTX LONG RANGE* 650201347G		●		●		●	500 TX 32 RX 10µA SB	-116	500	33x23x8	869.50 MHz RTX 500 mW
NEW											
XTR 8LR100* 650201364G		●		●		●	35 TX @10mW 17 RX 1µA SB	-136	MAX 100	45x17.2x8.5	868÷870 MHz 100mW out power (selectable) very high sensitivity (-136dBm)

PIR/MAGNETIC SENSORS

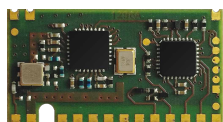


Model Part Number	Modulation		Supply		Frequency		Current Supply mA	ERP mW	PIR Coverage mt	Dimension (HxLxD) mm	Note
	ASK (AM)	FSK (FM)	3V	5V	434 MHz	868 MHz					
SIR 2008 HCS/HT12E 650201090G	●		●		●		9 Tx 13µA	1	8÷20	120x60x45	PIR Detector Encoder HCS/HT12E
SIR 2008 HCS/5026 650201107G	●		●		●		9 Tx 13µA	1	8÷20	120x60x45	PIR Detector Encoder HCS/145026
MAGCON HCS 650201296G	●		●		●		15 Tx 5µA	2		70.4x33.6x17.4	Magnetic Contact HCS encoder
MAGCON 5026 650201295G	●		●		●		15 Tx 5µA	2		70.4x33.6x17.4	Magnetic Contact 145026 encoder

RFTIDE MESH NETWORK



* 5V available on demand.



Model Part Number	Modulation		Supply		Frequency		Out Power	Sensitivity	Dimension (HxLxD)	Note
	ASK (AM)	FSK (FM)	3V	5V	434 MHz	868 MHz				

Evaluation Kit - RFT 868 EVKIT

- n. 5 Transceivers RFT-868-3V
- n. 4 Demoboard
- n. 1 Dongle USB
- n. 8 Batteries (1.5V)

**PC software downloadable
from www.rftide.com**

Kit di Sviluppo - RFT 868 EVKIT

- n. 5 Ricetrasmittitori RFT-868-3V
- n. 4 Demoboard
- n. 1 Dongle USB
- n. 8 Batterie (1.5V)

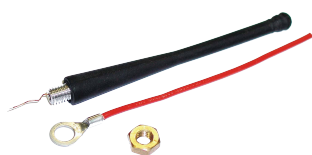
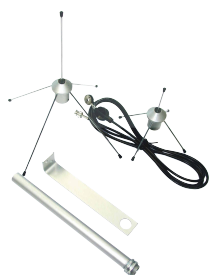
**Il software demo per PC è
scaricabile da www.rftide.com**

NEW

RFT 868 EVKIT
650201371G



Model Part Number	Type		Frequency			Impedance	Dimension (HxLxD)	Note
	Ground Plane	Stylus	434 MHz	868 MHz	2.4 GHz			
						Ohm	mm	
ANT. AS 433 650200596G		●	●			50	34x170	Outdoor vertical Antenna
ANT. AS 868 650200597G		●		●		50	34x90	Outdoor vertical Antenna
ANT. GP 433 650200313G	●		●			50	110x255	Ground Plane Antenna
ANT. GP 868 650200599G	●			●		50	190x460	Ground Plane Antenna
ANT. T 650200442G		●	●			50	10x90	Flexible Stylus Antenna
ANT. T-A 650200448G		●	●			50	10x90	Flexible Stylus Antenna
ANT. T/8 650200607G		●		●		50	10x90	Flexible Stylus Antenna
ANT. T8/A 650200608G		●		●		50	10x90	Flexible Stylus Antenna
ANT. RP SMA 2.4 650201098G		●			●	50	10x108	2.4 GHz Antenna



Presentazione

AUREL vi può offrire: assistenza al progetto, sicurezza di un prodotto di qualità ed un eccellente servizio di supporto post-vendita.

Un gruppo di specialisti dedicati alle attività di progetto è in grado di offrire assistenza sulla tecnologia dei circuiti ibridi a Thick Film ed SMD, per assicurare un completo servizio di progettazione personalizzata.

Missione

AUREL ritiene che la crescita aziendale sia possibile solo dedicandosi alla qualità ed al servizio per il cliente.

Il gruppo AUREL ha la stabilità finanziaria per investire nella ricerca e nello sviluppo, assicurandosi il mantenimento della leadership tecnologica, che rappresenta la chiave del nostro continuo successo.

AUREL ha due linee di prodotti, sviluppati e prodotti dalla divisione Microelettronica e Radiofrequenza.

Ricerca e Sviluppo

Le produzioni AUREL derivano come naturale conseguenza dall'attività di ricerca specifica, con rigoroso rispetto dei parametri imposti dalla necessità di fornire sempre prodotti innovativi.

Il grosso impegno e la quantità d'investimenti profusi nella ricerca e nella tecnologia sono le ragioni principali del successo di AUREL.

Tecnologie

SMT

Controlli industriali, Strumentazione portatile, Telecomunicazioni.

THICK FILM & COB

Sensori, Automotive, Telecomunicazioni, Avionica, Biomedicale, Ricerca.

IMS

Automotive, Controllo motori, Saldatrici, Motori elettrici, Lighting.

PES

Elementi riscaldanti, Resistori di potenza.

Overview

AUREL can offer you: design assistance, quality assurance and excellent support service.

A dedicated team of design experts offers an efficient answer to both experienced and inexperienced hybrid users and a comprehensive custom design service.

Mission

AUREL believes in growth through dedication to customer service and quality.

AUREL has the financial stability to provide investment for research and development, insuring that it maintains the technological leadership which is central to its continuing success.

AUREL has two main line of products: Microelectronic dpt and Wireless dpt.

Research & Development

AUREL's production is the natural consequence of dedicated research performed with rigorous respect for the parameters dictated by the need to provide innovative products.

A strong commitment and investment in research and development are the main reasons for AUREL's success.

Technologies

SMT

Industrial controls, Hand-held equipments, Telecom.

THICK FILM & COB

Sensors, Automotive, Telecom, Avionics, Biomedical, Research.

IMS

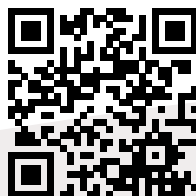
Automotive, Motor control, Welding machines, Electrical motor, Lighting.

PES

Heaters, Power resistors.



Rivenditore/Reseller



AUREL

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