

Wireless Modules

Rev. 2.2



RADIOCONTROLLI S.R.L.

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RECEIVER - ASK SUPERHET - Miniaturized Version									
MODEL	DESCRIPTION	Vdc Ic	Sensitivity	Frequency (XXX)	-3dB BW	Data Rate			
RCRX-434 RCRX-434-L	Very small ASK/OOK Superhet data receiver with PLL. Low Cost. High Performance. Metal Shield .	3 V / 5 V 5.5mA	-108 dBm	433.92 MHz	600 KHz	10 Kbit/s	Dimensions: 14 x 9.5 mm		
RCRX-868 RCRX-868-L	Very small ASK/OOK Superhet data receiver with PLL. Low Cost. High Performance. Metal Shield .	3 V / 5 V 5.5mA	-110 dBm	868.35 MHz	360 KHz	10 Kbit/s	Dimensions: 14 x 9.5 mm		
RCRX-915 RCRX-915-L	Very small ASK/OOK Superhet data receiver with PLL. Low Cost. High Performance. Metal Shield .	3 V / 5 V 10 mA	-110 dBm	915 MHz	360 KHz	10 Kbit/s	Dimensions: 14 x 9.5 mm		

WORLD'S SMALLEST Radio Receiver Modules

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Wireless Modules

Radio

On request, we can customize the frequency values

ASK/OOK TRANSMITTER - Miniaturized Version RF Data MODEL DESCRIPTION Vdc Current Frequency Power Rate Very small ASK/OOK transmitter 4 - 12 V 21mA **RCTX-434** module with crystal oscillator at 50 868.35 +11433.92MHz. Metal shield. SMD 2.2-3.6 V 15mA MHz dBm Kbit/s **RCTX-434-L** mounting. 5Volt version and 3Volt version 315MHz version available Dimen s: 12 x 6.8 mm Very small ASK/OOK transmitter **RCTX-868-L** module with crystal oscillator at 868.35 +9 50 2.2-3.6 V 15mA 868.35MHz. Metal shield. SMD MHz dBm Kbit/s mounting. 3Volt version. 915MHz version available Dimensions: 12 x 6.8 mm

RECEIVER LOW COST - ASK SUPERHET									
MODEL	DESCRIPTION	Vdc Ic	Sensitivity	Frequency	-3dB BW	Data Rate			
RCRX3-434	ASK/OOK Superhet data receiver. Standard pin out version. 315 MHz version available	2.1 ÷ 5.2V 4.2mA	-108 dBm	433.92 MHz	300 KHz	10 Kbit/s	Dimensions: 43 x 12 mm		
RCRX5-434	ASK/OOK Superhet data receiver. Standard pin out version.	2.1 ÷ 5.2V 4.2mA	-108 dBm	433.92 MHz	300 KHz	10 Kbit/s	Dimensions: 38 x 12 mm		
RCBRX-434 RCBRX-434-L	ASK/OOK Superhet data receiver with PLL. Metal Shield. Standard pin out version. 5Volt version and 3Volt version 434.5 MHz version	3V / 5V 5.5mA	-108 dBm	433.92 MHz	600 KHz	Kbit/s	Dimensions: 38 x 14 mm		
RCBRX-868-M	ASK/OOK Superhet data receiver with PLL. Metal Shield. Standard pin out version. 5 Volt Version. 868.95 MHz version	5V 5.5mA	-110 dBm	868.35 MHz	360 KHz	10 Kbit/s	Dimensions: 35.5 x 12.5 mm		

Introduct Description is Description Refere RCASK2-XXX Maximum data management of the standard data management of the schedule data management o	RECEIVER - AS	K SUPERHET						
Applic for groups value BX SAVE version BX SAVE versin BX SAVE version BX SAVE version BX SAVE version BX SAV	MODEL	DESCRIPTION	Vdc Is	Sensitivity			Data Rate	
Date Augustry statistic: PCASE2 315 = 15 00045 Version PCASE2 43 = 33 20045 Version PCASE2 4 = 34 20045 Version PCASE2 4 = 3	RCASK2-XXX	AM Superhet data receiver with crytall						
CASEC-434 - 433 232MHz Version RCASEC 2016 - 910 SOMRE VERSION RCASEC 2016 SOMRE VE		1	5V	-107	315/433.92	150	4.8	
Non-Structure PCASE 2915 = 915 SOME: Version Idea MHz MHz Other Full Structure RCASK4-434-CL Mitzend fulls read comparation into a comparation into full sector magnetic interference. 55 V -113 433.92 150 4.8 Immunity of electromagnetic interference. RCASK4-434-CL Mitzend fulls read comparation into the seek high immunity of electromagnetic interference. 5V -113 433.92 150 4.8 Immunity. RCASK4-434-CL Mitzend fulls read output noises filter to forth intereds high immunity of electromagnetic interference. 5V -113 433.92 150 4.8 Immunity. RCASK/OOK TRANSMITTER Mitzend fulls read output noises filter to fold to magnetic interference. 5V -113 433.92 10 9.6 0.6 Immunity. Immuni		RCASK2-434 = 433.92MHz Version	6mA	-102	868.35/915	KHz	Kbit/s	
CONSIGNATION Prior End life and output noise filter to the prior high immunity of conservations and interference. SV -113 433.92 150 4.8. Prior End life and output noise filter to the interference. RCASK3-434-CH MM Byochet data receiver with SAW Front End life and output noise filter to the interference. SV -113 d33.92 150 4.8. Prior End life and output noise filter to the interference. MODEL DESCRIPTION Vdc Current Frequency Reference Reference Provement interference. Nummunity. Numunity. Nummunity.	868.95 MHz version			dBm	MHz			Dimensions: 38 x 14.5mm
Image: Control line line and output base line in the intervent output base line intervent output	RCASK4-434-CH							
Ideal for application that needs high investigation in the sective with SAW From Lind filter and output noise filter to obtain high immunity is clearcommagnetic ideal for a pplication that needs high immunity. 7.3mA dBm MHz KHz KH		obtain high immunity to electromagnetic	5V	-113	433.92	150	4.8	
Immunity. Immunity. Immunity. Immunity. Immunity. RCASK3-434-CH Power fail filter an output noise filter to that in figh immunity to electronagnetic interference. 5V -113 433.92 150 4.8 Immunity. AM Superier data receiver with SAW 5V .73mA dBm Milize KHz KHz KHz AM Superier data receiver with SAW 5V .73mA dBm Milize KHz KHz MODEL DESCRIPTION Vdc Current Frequency Ref Ref RC-TX1-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Immunity. RC-TX2-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Immunity. RCQT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 43.392MHz Math Abid HIT version. 2 - 12 8 433.92 10 9.6 Immunity. Immunity. RCGT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 4.12 V 21mA 43.392 10 9.6 Immunity. Immunity. RCGT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 4.392MHz Math Abid All THT version. 2.2			7.5mA	dBm	MHz	KHz	Kbit/s	
Pront End filter and output noise filter to chain high immunity to electromagnetic interference. 5V 7.5mA -113 433.92 150 4.8 Image: Constraint of the								Dimensions: 38 x 14.5 mm
obtain high munuity to electromagnetic interference. 5.V -1.13 4.3.322 1.50 4.8 Ideal for application that needs high MODEL DESCRIPTION Vdc Current Frequency Prover Pata RC-TX1-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2.12 8 433.92 10 9.6 Soft RC-TX2-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2.12 8 433.92 10 9.6 Soft RC-TX2-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2.12 8 433.92 10 9.6 Soft RCQT4-XXX Very small ASK/OOK transmitter module with crystal oscillator and power amplifier. 2.12 8 433.92 10 9.6 Soft RCCTASK2-868 ASK/OOK transmitter module with crystal oscillator and soft Miz version. 2.2 - 3.6 V 15mA MHz dBm Kbit/s Descention RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 433 92 MHz Version 2.2 - 3.6 V 15mA MHz dBm Soft 50 RCCTTASK2-868 ASKOOK transmitter module with crystal oscillator at 9.80 Version 2.2 - 3.6 V 15mA MHz dBm Kbit/s Demension: 20.2 V <t< td=""><td>RCASK3-434-CH</td><td>AM Superhet data receiver with SAW</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	RCASK3-434-CH	AM Superhet data receiver with SAW						
Ideal for application that needs high immunity. 1.5 mA dish MHZ KHZ			5V	-113	433.92	150	4.8	
Immunity. ASK/OOK TRANSMITTER MODEL DESCRIPTION Vdc Current Frequency Rete RC-TX1-434 433 92MHz ASK transmitter module with SAW oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Frequency Rete RC-TX2-434 433 92MHz ASK transmitter module with SAW oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Frequency Bate RC-TX2-434 433 92MHz ASK transmitter module with crystal oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Frequency Bit Dimensione: 173 x H RCCT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 43.92 MHz ASK 200K transmitter module with crystal oscillator at 868.35 MHz 4:12 V 21mA 433.92 +11 50 Frequency So Frequency Frequency Kbit/s Frequency Dimensione: 23.9 X RCCT4-SSK2-868 ASK/OOK transmitter module with crystal oscillator at 868.36(SMHz, Very small ASK/OOK transmitter module with crystal oscillator at 868.36(SMHz, Voit 22 - 3.6 V 15mA MHz dBm 50 Frequency So Frequency Frequency So <td></td> <td></td> <td>7.5mA</td> <td>dBm</td> <td>MHz</td> <td>KHz</td> <td>Kbit/s</td> <td></td>			7.5mA	dBm	MHz	KHz	Kbit/s	
ASK/OOK TRANSMITTER Vdc Current Frequency RF Data Rate MODEL DESCRIPTION Vdc Current Frequency RF Data Rate RC-TX1-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Kbit/s Demession: 19 x 1 RC-TX2-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Kbit/s Demession: 19 x 1 RCOT4-XXX Very small ASK/OOK transmitter module with crystal oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Kbit/s Demession: 23 x 1 RCOT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 86.8.5MHz Version 2 - 3.6 V 15mA MHz dBm 50 Kbit/s Demession: 23 x 1 RCOT4-458 ASK/OOK transmitter module with crystal oscillator at 86.8.5MHz Version 2 - 3.6 V 15mA MHz dBm 50 Kbit/s Demession: 20 x 1 50 Kbit/s Demession: 20 x 1 2 - 3.6 V 15mA MHz 18m 50 Kbit/s Demession: 20 x 1 2 - 3.6 V<								
MODELDESCRIPTIONVdcCurrentFrequency ProverRF ProverData ReiteRC-TX1-434433.92MHz ASK transmitter module with SAW oscillator and power amplifier. Volt2 - 128433.92109.66.6RC-TX2-434433.92MHz ASK transmitter module with SAW oscillator and power amplifier. Todads with crystal oscillator and power amplifier. Wolt2 - 128433.92109.69.6RC-TX2-434433.92MHz ASK transmitter module with SAW oscillator and power amplifier. Todads with crystal oscillator at werkorm. Protocil 4.66 = 868.35MHz Version RCOT4-66 = 868.35MHz Version2.2 - 3.6 Volt21mA 15mA868.35 MHz4-10 MHz868.35 MHz9.0 MHzRC-TASK2-868 MCLASK/OOK transmitter module with crystal oscillator at 863.36MHz Volt2.2 - 3.6 Volt21mA 15mA868.35 MHz4-10 MHz868.35 MHz9.0 MHzRC-TASK2-868 MCLASK/OCK transmitter module with crystal oscillator at 863.36MHz Volt4-12.V 15mA21mA MHz858.35 MHz868.35 MHz9.0 MHzRC-CT101-SMT-XXX MODELDESCR	ASK/OOK TRANS	NTTER						Dimensions: 25.4 x 19.5 mm
RC-TX1-434433.92 MHz ASK transmitter module with SAW oscillator and power amplifier. Voit2 - 12 Not8 mA433.92 MHz10 dBm9.6 Kbit/s9.6 Formation (Table) Dimension: 179.11 Dimension: 179.11RC-TX2-434433.92 MHz ASK transmitter with SAW oscillator and power amplifier. with SAW oscillator and power amplifier. RCQT4-XXX2 - 12 Not8 mA433.92 MHz10 MHz9.6 MHz9.6 Kbit/sRCQT4-XXXVery small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz Mersion Precor4-868 as 56MHz Version RCOT4-868 as 686.35MHz Dual line package operating a 3.3Voit. Power down mode is also available.4 - 12 V 2.2 - 3.6 V21mA 15mA433.92 HHz450 MHz50 Kbit/s50 Kbit/sRCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 683.615MHz Dual line package operating a 3.3Voit. Voit2.2 - 3.6 V 15mA21mA MHz868.35 MHz433.92 HL Hz40 MHz50 Kbit/s50 Kbit/sRCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 683.615MHz 2.2 - 3.6 V21mA 15mA433.92 HLZ411 MBm50 Kbit/s50 Kbit/sRCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at aday 2.2 - 3.6 V4 - 12 V 15mA21mA 433.92 Hz450 Hz50 Kbit/s50 Kbit/sRCCT101 Course to ESCRIPTIONVdcCurrent (current (current)10 200.8210 10 dBm50 Kbit/s10 10 dBmRC-CC1101			Vdc	Current	Frequency			
RC-TX2-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2 - 12 Volt 8 mA 433.92 10 9.6 Kbit/s 9.6 Kbit/s RCQT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz. Metal shield. THT version. 4 - 12 V 21mA 433.92 +11 50 RCQT4-4XXX Very small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz. Metal shield. THT version. 4 - 12 V 21mA 433.92 +11 50 RCCTASK2-8688 ASK/OOK transmitter module with crystal oscillator at 868.365MHz Very small ASK/OOK transmitter module with crystal oscillator at 33.90Lf. 22 - 3.6 V 15mA MHz dBm Kbit/s Immensions: 203.81 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 33.90Lf. 22 - 3.6 V 15mA MHz dBm 50 Immensions: 203.81 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 33.90Lf. 4 - 12 V 21mA 868.35 +10 MHz 50 Immension: 203.81 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 33.90Lf. 4 - 12 V 21mA 868.35 +10 MHz 50 Immension: 203.81 RC-CC1101-SMT-XXX DESCRIPTION	RC-TX1-434	433.92MHz ASK transmitter module					. tato	
RC-TX2-434433.92MHz ASK transmitter module with SAW oscillator and power amplifier.2 - 12 Volt8 mA433.92 MHz10 dBm9.6 Kbit/sJumension: 179.8 If Dumension: 233.8 IRCQT4-XXXVery small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz Version RCCT4-848 = 468.3 SMHz Version RCCT4-868 = 668.3 SMHz Version Power down mode is also available.4 - 12 V 2.2 - 3.6 V21mA MHz433.92 433.92 441 4Bm50 Kbit/sRC-TASK2-868ASK/OOK transmitter module with crystal oscillator at 433.92 MHz Version Power down mode is also available.2.2 - 3.6 V Volt15mA433.92 MHz+11 dBm50 Kbit/sRCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz Version. 3Volt version and 3Volt version4 - 12 V 2.2 - 3.6 V21mA 15mA866.35 MHz+10 dBm50 Kbit/sRCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz4 - 12 V 2.2 - 3.6 V21mA 15mA866.35 MHz+10 dBmRCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz4 - 12 V 2.2 - 3.6 V21mA 15mA866.35 MHz+10 dBmRCCC1101-SMTXXXCow-cost sub IGHz multichannels maiorcontroller via SPI interface. BM based on CC1101 Texas Instruments device. Programmable from cetteral diverse applications, based on CC1101 Texas Instruments device. Programmable from cetteral diverse applications, based on CC1101 Texas Instruments device. Programmable from cetteral diverse programmable from cetteral <br< td=""><td></td><td>with SAW oscillator and power amplifier.</td><td>2 - 12</td><td>8</td><td>433.92</td><td>10</td><td>9.6</td><td>Plan Comp</td></br<>		with SAW oscillator and power amplifier.	2 - 12	8	433.92	10	9.6	Plan Comp
RC-TX2-434 433.92MHz ASK transmitter module with SAW oscillator and power amplifier. 2 - 12 8 433.92 10 9.6 Kbit/s RCQT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz Metal shield. THT version. 4 - 12 V 21mA 433.92 +11 50 Jumensee: 23.81 RCCT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 468.361MHz. Dual line package operating a 3.3Volt. Power down mode is also available. 2.2 + 3.6 V 15mA MHz dBm 50 Jumensee: 20.32.81 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 868.361MHz. Dual line package operating a 3.3Volt. Power down mode is also available. 2.2 + 3.6 V 15mA 868.35 +10 50 Jumensee: 20.32.81 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 806.361MHz. Dual line package operating a 3.3Volt. Power down mode is also available. 4 - 12 V 21mA 868.35 +10 Jbit/s Jumensee: 20.32.81 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 806.361MHz. Dual line package operating a 3.3Volt. Power set and 0.21 MHz. 4 - 12 V 21mA 433.92 +11			Volt	mA	MHz	dBm	Kbit/s	
Construction<								Dimensions: 17.9 x 10.1 mm
RCQT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 433 92 MHz. Metal shield. THT version. RCOT4-488 = 868.35MHz Version RCOT4-488 = 868.35MHz Version Power down mode is also available. 4 - 12 V 21mA S68.35 15mA 4-10 MHz 50 MHz 50 Kbit/s RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 433.92MHz. Metal shield. THT version. SV0H version and 3V0H version SV0H version and 3V0H version 4 - 12 V 21mA 22 - 3.6 V 433.92 Hz +11 dBm 50 Kbit/s 50 Voit TRANSCEIVER MODULES DESCRIPTION Vdc Current (xx) 0.2µA (usp) Frequency Sensibility Power -110 dBm +10 dBm RC-CC1101-SMT-XXX MD mounting. DESCRIPTION SPI interface. SMD mounting. 1.8 + 3.6V 15mA (xx) 0.2µA (usp) 15mHz 915 MHz -110 dBm +10 dBm	KU-1X2-434			8	433.92	10	9.6	
RCQT4-XXX Very small ASK/OOK transmitter module with crystal oscillator at 413 29 MH2. Metal shield. THT version. 4 - 12 V 21mA 433.92 +11 50 50 RCCT4.434 = 433 29MH2 Version 2.2 - 3.6 V 15mA MHz dBm 50 Kbit/s RC-TASK2-868 ASK/OOK transmitter module with crystal oscillator at 868.3615MHz Dual line package operating a 3.3Voit. Dual with crystal oscillator at 868.3615MHz Dual line package operating a 3.3Voit. Down mode is also available. 2.2 + 3.6 V 21mA 868.35 +10 50 Kbit/s Demensions: 20.32 x1 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 468.3615MHz 33.9VDK. Devision. Svoit version. Svoit version. Svoit version and 3Voit version 4 - 12 V 21mA 868.35 H10 50 Kbit/s Demensions: 20.32 x1 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 468.3615MHz 2.2 - 3.6 V 15mA 4.33.92 H11 dBm 50 Kbit/s Demensions: 20.32 x1 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 4.12 V 21mA 433.92 H11 dBm 50 Kbit/s Demensions: 20.32 x1 MODEL		with STIW Openator and power ampinier.	Volt	mA	MHz	dBm	Kbit/s	JA160044
NOULLESmodule with crystal oscillator at 433.92 MHz. Metal shield. THT version. RCOT14-868 = 866.35MHz Version RCOT4-868 = 866.35MHz Version RCOT4-868 = 866.35MHz Version Power down mode is also available. $4 - 12 \ V$ 21mA $21mA$ 868.35 433.92 433.92 433.92 $+11$ 868.35 49 50 Kbit/sRC-TASK2-868ASK/OOK transmitter module with crystal oscillator at 868.36ISMHz Dual line package operating a 3.3Volt. Power down mode is also available. $2.2 - 3.6 \ V$ Volt $21mA$ $2.2 + 3.6 \ Volt433.9215mA+10 \ dBm50 \ Kbit/sRCBTX-434Very small ASK/OOK transmittermodule with crystal oscillator at433.92MHz. Metal shield. THTversion.SVolt version and 3Volt version4 - 12 \ V2.2 - 3.6 \ V21mA15mA868.35 \ HzMHz+10 \ dBm50 \ Kbit/sRCBTX-434Very small ASK/OOK transmittermodule with crystal oscillator at433.92MHz. Metal shield. THTversion.SVolt version and 3Volt version4 - 12 \ V2.2 - 3.6 \ V21mA \ 433.92 \ H11 \ dBm50 \ Kbit/s50 \ Kbit/sRC-CC1101-SMT-XXXDESCRIPTIONVdcCurrentFrequencySensibilityPower433 \ H12 \ (acp)-110 \ dBmMODELDESCRIPTIONVdcCurrent(acp)FrequencySensibilityPower-110 \ dBmRC-CC1101-SMT-XXXLow-cost sub IGHz multichannelsradio transceiver designed for verylow power wireless applications,based on CL101 Texas Instrumentsdevice. Programmable from externalmicrocontroller via SPI interface.SMD mounting.1.8 + 3.6V0.2\mu A0.2\mu A433 \ H12 \ H10 \ H2m$								Dimensions: 25.3 x 11.4 mm
High High High High High High High High	RCQT4-XXX		4 - 12 V	21mA	433.92	+11		A REAL PROPERTY.
RC-TASK2-868 ASK/OOK transmitter module with crystal oscillator at 868.3615MHz, Dual line package operating a 3.3Volt. Power down mode is also available. 2.2 - 3.6 V 15mA MHz dBm Kbit/s RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 468.3615MHz, Dual line package operating a 3.3Volt. Power down mode is also available. 2.2 + 3.6 Volt 15mA MHz H0 50 Jimensions: 20.32 x1 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 433.922MHz. Metal shield. THT version. SVolt version and 3Volt version 4 - 12 V 21mA 433.92 +11 50 Jimensions: 20.32 x1 RCBTX-434 Very small ASK/OOK transmitter module with crystal oscillator at 433.922MHz. Metal shield. THT version. SVolt version and 3Volt version 2.2 - 3.6 V 15mA MHz dBm 50 Jimensions: 20.32 x1 RC-CC1101-SMT-XXX Low-cost sub 1GHz multichannels radio transceiver designed for very low gov or CI1013 applications rule splitistrum, bay of our cylices. Programmable from external microcontroller via SP1 interface. SMD mounting. 15mA 15mA 433 MHz +10 dBm Jimensions: Ji		433.92 MHz. Metal shield. THT					50	
RC-TASK2-868ASK/OOK transmitter module with crystal oscillator at 868.3615MHz. Dual line package operating a 3.3Volt. Power down mode is also available. $2 + 3.6$ Volt $2 + 3.6$ Volt $2 + 3.6$ I 5mA $4 + 10$ MHz 50 MHz 50 Kbit/s 50 Four-second dBmRCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 433.92MHz. Metal shield. THT version. SV01V version and 3V01V version $4 - 12$ V $2.2 - 3.6$ V 2ImA 15mA 433.92 MHz $+11$ dBm 50 Kbit/s 50 Four-second dBmTRANSCEIVER MODULES MODELDESCRIPTIONVdcCurrent VdcFrequency Sensibility Power Power Power Power incless applications, based on CC1101 Texas Instruments device. Programmable from vertices applications, SMD mounting. $1.8 \div 3.6V$ 15mA (rx) $0.2\muA$ 433 MHz 915 MHz -110 dBm 433 MHz -110 dBm -110 dBmRC-CC1101-SMT-XXXDESCRIPTION Now over vieless applications, based on CC1101 Texas Instruments device. Programmable from vertices MD mounting. $1.8 \div 3.6V$ 20mA 20mA 433 MHz 915 MHz -110 dBm -10 dBmImmensions: 18 x 15 mm						- -	Kbit/s	
with crystal oscillator at 868.3615MHz. Dual line package operating a 3.3Volt. Power down mode is also available.2.1 mA bit868.35 MHz+10 dBm50 Kbit/s50 Dimensions: 20.32 x1RCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 433.92MHz. Metal shield. THT version. SVolt version and 3Volt version4 - 12 V 2.2 - 3.6 V21mA 15mA433.92 Hz.+11 dBm50 Kbit/s50 Formersion: 20.32 x1TRANSCEIVER MODULESDESCRIPTIONVdcCurrent (xx) power radio transceiver designed for very low power wireless applications, based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface.1.8 ÷ 3.6V15mA (xx) (x) 92mA (steep)433 MHz (xx) 915 MHz-110 dBm external powerRC-CC1101 - SMT-XXXLow-cost sub IGHz multichannels radio transceiver designed for very low power wireless applications, based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface.1.8 ÷ 3.6V15mA (x) 92mA (steep)433 MHz 915 MHz-110 dBm of BB powerImmensions: 18 x 15 mm		RCQT4-868 = 868.35MHz Version	2.2 - 3.6 V	15mA	MHz	dBm		/
with crystal oscillator at 868.3615MHz. Dual line package operating a 3.3Volt. Power down mode is also available.21 mA MHz868.35 MHz+10 dBm50 Kbit/s50 Dimensions: 20.32 x1RCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 433.92MHz. Metal shield. THT version. 5Volt version and 3Volt version4 - 12 V 2.2 - 3.6 V21 mA 15mA868.35 MHz+10 dBm50 Kbit/s50 Dimensions: 20.32 x1TRANSCEIVER MODULES MODELDESCRIPTIONVdcCurrent VdcFrequency (Rc-CC1101-SMT-XXX)50 Kbit/s50 Low-cost sub 1GHz multichannels radio transceiver designed for very low power wireless applications, based on CC1101 Texas Instruments device. Programmable from vertice. SMD mounting.18 ± 3.6V15mA (Rx) (Rz)433 MHz (RX) (Rz)-110 dBm (RX) 90MA-110 dBm (RX) 915 MHz-110 dBm (RX) 915 MHz	RC-TASK2-868	ASK/OOK transmitter module						The second
RCBTX-434Power down mode is also available.Volt15mAMHzdBmKbit/sImmensions: 20.32 x 1RCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 433.92MHz. Metal shield. THT version. SV01 version and 3Volt version4 - 12 V21mA433.9241150Immensions: 20.32 x 1MDELDESCRIPTIONVdcCurrentFrequencySensibility PowerRC-CC1101-SMT-XXXLow-cost sub IGHz multichannels radio transceiver designed for very low power wireless applications, based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting.15mA433 MHz (RX)-110 dBm +10 dBmImmensions: 18 x 15 mm		with crystal oscillator at 868.36i5MHz.		21mA	0.60.05	. 10	-0	RC-TX-OMO GOT
Power down mode is also available. 15mA 110 dBm 110mA 110		Dual line package operating a 3.3 volt.						ano 5801800
RCBTX-434Very small ASK/OOK transmitter module with crystal oscillator at 433.92/MHz. Metal shield. THT version. SVolt version and 3Volt version4 - 12 V 2.2 - 3.6 V21mA 433.92 MHz433.92 HHz+11 dBm50 Kbit/sTRANSCEIVER MODULESMODELDESCRIPTIONVdcCurrent (Rc-cc1101-SMT-XXX)Frequency Sensibility low power wireless applications , based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting.1.8 ÷ 3.6V15mA (TX) 29mA (TX)4.33 MHz 868 MHz (TX)-110 dBm +10 dBmImmensions: 18 x 15 mm		Power down mode is also available.	, on					1
module with crystal oscillator at 433.92MHz. Metal shield. THT version. 4 - 12 V 21 mA 433.92 +11 50 Kbit/s Image: Solution of the state shield of the								Dimensions: 20.32 x 11.43 mm
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	RCBTX-434		4 - 12 V	21mA				Barris Barris
5Volt version and 3Volt version 2.2 - 3.6 V 15mA MHZ dBill Kolvs TRANSCEIVER MODULES MODEL DESCRIPTION Vdc Current Frequency Sensibility Power RC-CC1101-SMT-XXX Low-cost sub 1GHz multichannels radio transceiver designed for very low power wireless applications , based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting. 1.8 ÷ 3.6V 29mA (RX) 433 MHz (RX) -110 dBm 0.2µA (sleep) 915 MHz +10 dBm Jimensions: 18 x 15 mm					433.92	+11	50	RADIOCCUM DATA
TRANSCEIVER MODULES Description Vdc Current Frequency Sensibility Power RC-CC1101-SMT-XXX Low-cost sub 1GHz multichannels radio transceiver designed for very low power wireless applications, based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting. 1.8 ÷ 3.6V 29mA (rx) 433 MHz (rx) -110 dBm Image: Note of the total data of total			22-260	15m 1	MHz	dBm	Kbit/s	NERE
MODELDESCRIPTIONVdcCurrentFrequencySensibility PowerRC-CC1101-SMT-XXXLow-cost sub 1GHz multichannels radio transceiver designed for very low power wireless applications , based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting.15 mA (RX)433 MHz (RX)-110 dBm1.8 ÷ 3.6V29mA (RX)868 MHz (RX)+10 dBm0.2µA (sleep)915 MHzHDimensions: 18 x 15 mm			2.2 5.0 V	1,0111/4				Dimensions: 38 x 12 m
RC-CC1101-SMT-XXX Low-cost sub 1GHz multichannels radio transceiver designed for very low power wireless applications, based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting. 1.8 ÷ 3.6V 15mA (RX) (RX) 433 MHz (RX) (RX) -110 dBm (RX) Image: Rest of the state	TRANSCEIVER MOL	DULES						
RC-CC1101-SMT-XXX Low-cost sub 1GHz multichannels radio transceiver designed for very low power wireless applications , based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting. 1.8 ÷ 3.6V 15mA (RX) 433 MHz (RX) -110 dBm 0.2µA (sleep) 915 MHz +10 dBm -110 dBm -110 dBm -110 dBm	MODEL	DESCRIPTION	Vdc	Current	Frequency			
RC-CC1101-SMT-XXX radio transceiver designed for very low power wireless applications, based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting. 1.8 ÷ 3.6V 29mA (TX) 868 MHz (TX) +10 dBm 0.2µA (sleep) 915 MHz 0.15 MHz (sleep) 0.15 MHz (sleep) 0.15 MHz (sleep) 0.16 MHz (sleep)				15mA	433 MHz			
based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. SMD mounting.	RC-CC1101-SMT-XXX			-		-110 dBm		2 45 2 10
device. Programmable from external microcontroller via SPI interface. 0.2µA (sleep) 915 MHz Dimensions: 18 x 15 mm		based on CC1101 Texas Instruments	1.8 ÷ 3.6V		868 MHz	+10 dBm		
SMD mounting.					915 MHz	10 april		
					212 11112			Dimensions: 18 x 15 mm
				15mA	433 MHz			13 J3 19
Low-cost sub 1GHz multichannels radio transceiver designed for very (RX) -110 dBm					155 11112	-110 dDm		Carlo Carlos

1.8 ÷ 3.6V

29mA

(TX)

0.2µA (sleep)

868 MHz

915 MHz

low power wireless applications, based on CC1101 Texas Instruments device. Programmable from external microcontroller via SPI interface. THT mounting. RC-CC1101-SPI-XXX

Radio Wireless Modules

Dime

nsions: 21.5 x 15.6

+10 dBm

FSK MODULES							
MODEL	DESCRIPTION	Vdc/Ic	Current Sleep	Frequency	Power RF Sensibility	Data Rate	
RC-TFSK4-434	10mW FSK Radio Transmitter Module with crystal oscillator and external Antenna. Standard pin out version.	3V 14.5mA	100 nA	433.92 MHz	10 dBm	40 Kbit/s	Dimensions: 30.5 x 10.6 mm
RC-TFSK3-XXX	10mW FSK Radio Transmitter Module with crystal oscillator and external Antenna. Standard pin out version. RC-TFSK3-434 = 433.92MHz Version RC-TFSK3-868 = 868.35MHz Version	3V 14.5mA	100 nA	433.92 868.35 MHz	10 dBm	40 Kbit/s	Dimensions: 20.3 x 11.4 mm
RC-RFSK1-XXX	FSK Superhet data receiver with PLL sinthesizer crystal oscillator and RSSI output. Standard pin out version. RC-RFSK1-434 = 433.92MHz Version RC-RFSK1-868 = 868.35MHz Version	5V 5.7mA	100 nA	433.92 868.35 MHz	102 100 dBm	10 Kbit/s	Dimensions: 38.1 x 18.3 mm
RC-RFSK2-XXX	FSK Superhet data receiver with PLL sinthesizer crystal oscillator and RSSI output.It can demodulate in ASK/FSK mode according to ASK/FSK pin selector. RC-RFSK2-434 = 433.92MHz Version RC-RFSK2-868 = 868.35MHz Version	5V 5.7mA	100 nA	433.92 868.35 MHz	102 100 dBm	10 Kbit/s	Dimensions: 38.1 x 18.3 mm
RC-RFSK3-434	FSK Superhet data receiver with PLL sinthesizer crystal oscillator and RSSI output.	5V 5.7mA	100 nA	433.92 MHz	102 dBm	10 Kbit/s	

Dimensions: 45.7 x 16.5 mm

MULTICHANNELS	6 RADIO MODEM 433/868/915					
MODEL	DESCRIPTION	Vdc	Current	Frequency	Power RF Sensibility	
RCQ2-XXX (SMT & THT version)	The RCQ2 is a high performance wireless modem providing a reliable low cost serial data communication. This RF modem is very simple to use and provides a wireless Rs232 link with a RF data rate up to 100 kbps.		20mA (RX) 34mA (TX)	433 MHz 868 MHz	+20 dBm -112 dBm	Dimensions :23.5 x 15 mm Dimensions : 26 x 24 mm
RCQ3-XXX-RM (SMT version)	Multichannels Radio Modem operates in the band 433/868/915MHz . The Radio modem is very simple to use and provides a wireless RS232 link with a RF data rate up to 50kbps. Can be work in Long Range Mode (LRM) that is particulary encoding technique that trades data rate for sensibility gains. RCQ3-434-RM = 433.92MHz Version RCQ3-868-RM = 868.35MHz Version RCQ3-915-RM = 915.00MHz Version	1.8 ÷ 3.6V	5.5mA (RX) 24mA (TX)	433 MHz 868 MHz 915MHz	+14 dBm -110 dBm (50kbps) -122 dBm (2.5kbps)	Einensions: 22 x 15 mm
RCQ3-XXX-DK	Evaluation Board Multichannels Radio Modem in the band 433/868/915MHz . The pourpose of this evaluation kits is to verify all the features and technical characteristics about the Radio Modem RCQ3-XXX-RM. RCQ3-434-DK = 433.92MHz Version RCQ3-868-DK = 868.35MHz Version RCQ3-915-DK = 915.00MHz Version	1.8 ÷ 3.6V	5.5mA (RX) 24mA (TX)	433 MHz 868 MHz 915MHz	+14 dBm -110 dBm (50kbps) -122 dBm (2.5kbps)	

Radio (controlli Wireless Modules Dimensions: 76 x 27.5 mm Antenna height : 56mm

Page 4

IOT MODULES						
MODEL	DESCRIPTION	Vdc	Current	Frequency	Sensibility /	
RCQ3-XXX (SMT version)	The functionalities are the following : - <u>Wireless Switch</u> - <u>Wireless Controller</u> - <u>Wireless Actuator</u> Can work in Long Range Mode (LRM) that is particulary encoding technique that trades data rate for sensibility gains. RCQ3-434 = 433.92MHz Version RCQ3-915= 915.00MHz Version	1.8 ÷ 3.6V	5.5mA (RX) 24mA (TX)	433 MHz 868 MHz 915MHz	Power +14 dBm -110 dBm (50kbps) -122 dBm (2.5kbps)	Dimensions: 22 x 15 mm
RCQ3-XXX Evaluation Board	RCQ3-XXX Evaluation board has been realized to allow to verify all the features and functionality of the device denominated RCQ3. There are N.3 versions : - RCQ3-434 433MHz frequency band - RCQ3-868 868MHz frequency band - RCQ3-915 915MHz frequency band	1.8 ÷ 3.6V	5.5mA (RX) 24mA	433 MHz 868 MHz 915MHz	+14 dBm -110 dBm (50kbps) -122 dBm (2.5kbps)	Einensions: 85 x 75 mm
RC-CC3200 (Wi-Fi)	Wi-Fi Module is based on CC3200 Texas Instrument chip. The RC-CC3200 module is the second-generation series of modules in the SimpleLink family and consists of an applications microcontroller unit (MCU), Wi-Fi network processor, and a power-management subsystem.	2.3 ÷ 3.6V	59mA (RX) 229mA (TX)	2.4 GHz	-94.7 dBm +17 dBm	Ior Wil-FI Module Reccs200 Foc ID JAAH6-Ro-CC5200 Radio Controlli Dimensions: 18 x 15 mm
RC-CC2640-B (Bluetooth)	RC-CC2640-B is based on CC2640R2F128 Bluetooth Smart (BLE4.2) System-on-Chip, fully supports the single mode Bluetooth Low Energy operation. ARM Cortex M3 inside.	1.8 ÷ 3.8V	5.9mA (RX) 6.1mA (TX)	2.4 GHz	-94 dBm +5 dBm	Dimensions: 12 x 15 mm
RC-CC2640-A (Bluetooth)	RC-CC2640-B is based on CC2640R2F128 Bluetooth Smart (BLE4.2) System-on-Chip, fully supports the single mode Bluetooth Low Energy operation. ARM Cortex M3 inside.	1.8 ÷ 3.8V	5.9mA (RX) 6.1mA (TX)	2.4 GHz	-94 dBm +2 dBm	Dimensions: 8 x 8.35 mm
RC-SM1276-XXX (LORA)	The RC-SM1276-868 module is based on SX1276. The SX1276 incorporates the LoRaTM spread spectrum modem which is capable of achieving significantly longer range than existing systems based on FSK or OOK modulation. Programmable with external microcontroller via SPI interface.	1.8 ÷ 3.6V	12mA (RX) 19mA (TX)	868 MHz 915 MHz	-139 dBm +19 dBm	Dimensions: 23.5 x 15 mm
RC-SPIRIT1-XXX	The RC-SPIRIT1-XXX module is based on STMicroelectronics SPIRIT1 transceiver. This device is a high performance very low power RF transceiver designed for RF wireless application in the sub 1GHz band. Ready for use SMD mounting (15x22mm)	1.8 ÷ 3.6V	10mA (RX) 22mA (TX)	433 MHz 868 MHz	-118 dBm +16 dBm	Regio ((control) CE RC-SPIRIT1-868 Dimensions: 22 x 15mm

Radio (controlli Wireless Modules

Wireless Actuator Arduino Wireless

DESCRIPTION

Wireless actuator for home automation, is composed by a Gateway unit, controllable via RS232 serial interface, and by one or more ACTUATOR units, with the possibility to switch from a minimum of 4 up to a maximum of 256 devices (relays). This wireless control system is designed for the most varied requirements in the field of Home automation; It can be used to activate all kinds of lighting, as other applications, for example heating / cooling, electric gates, automatic doors and industrial controls. The Gateway unit can be controlled by a normal PC by a Raspberry device. It is possible to have a "point to point" configuration (No. 1 TX unit - No.1 ACT unit) or a "point-multipoint" configuration (No. 1 TX unit more ACT units) up to the possibility of switching 256 users (relays).

RCQ3-XXX-ACT Actuator board

This board allows to drive 4 relays both in monostable and bistable mode. It is possible to use commercial relay board.

RCQ3-XXX-DK Gateway board

The Gateway unit is equipped with a USB-serial adapter (chip Silicon Labs Cp2102), this allows it to be used immediately connecting it to a standard PC or a Raspberry device and then sending simple RS232 commands.

The system can be driven by a serial interface. Available at : 433MHz - 868MHz - 915MHz.

Arduino Wireless for home automation, composed by a GATEWAY unit (Arduino shield) and by one or more ACTUATOR units, with the possibility to switch from a minimum of 4 up to a maximum of 256 devices (relays). The GATEWAY unit is controlled by ARDUINO microcontroller. It is possible to have a "point to point" configuration (No.1 GATEWAY unit - No.1 ACT unit) or a "point-multipoint" configuration (No. 1 GATEWAY unit more ACT units) up to the possibility of switching 256 users (relays).

RCQ3-XXX-ACT Actuator board This board allows to drive 4 relays both in monostable and bistable mode. It is possible to use commercial relay board.

RCQ3-ARDUINO-XXX Gateway board

The GATEWAY unit is composed by a Arduino shield that allows to transmit simple Rs232 command through ARDUINO microcontroller.

On the Radiocontrolli website you can find the Arduino code.

RCQ3-XXX-DK

RCQ3-ARDUINO-XXX

111111111111

Dimensions: 35.56 x 34.48mm

-JANAN--JANANAN--JANANAN--JANANAN-

RCQ3-XXX-ACT

THICK FILM TECHNOLOGY

DESCRIPTION

Radio

Wireless Modules

RC-SPC1K (Rain Sensor)	 realized in Aluminia (Al203) substrate, this material is endowed a big reliability from an electrical thermal point of view. The sensor consists of three parts : Capacitive sensor (Face A) Heater generator Temperature Sensor The Face A is the sensitivity area (capcitive sensor) this area is exposted to natural agent (rain). In dry condition the value of the capacitor is nominal 105pF; In presence of the rain the capacitance goes to high valued respect the dry condition. 	
High Value & Custom Resistence	Using standard thick-film technology it is possible to obtain high power and non-inductive resistors realized on a high dielectric strenght substrate. Ceramic substrates have a very high breakdow voltage compared to printed circuit boards, making them ideal for high voltage applications.	

RC-SPC1K is a thick film technology rain sensor. This device is

RX UNIT WITH DE							
MODEL	DESCRIPTION	Vdc	Current	Frequency	Sensibility		
RC-RHCS-4CH	RC-RHCS-4CH is a 433.92MHz ASK Radio Receiver Module with integrated HCS and «Learning Code» decoding and 4 output channels (open collector output).	4.5 ÷ 5.5V	6.8mA	433.92MHz	-108 dBm	Dimension: 38.1 x 11 mm	
RC-RHCS-2CHB	RC-RHCS-2CHB is a 2-channel receiver unit operating at a frequency of 433.92MHz with ASK / OOK modulation. It is equipped with a superheterodyne radio module and Helical Antenna.	10 ÷ 15V	10mA	433.92MHz	-108 dBm	Dimension: 45 x 45 mm	
RC-RHCS-4CHB	RC-RHCS-4CHB is a 4-channel receiver unit operating at a frequency of 433.92MHz with ASK / OOK modulation. It is equipped with a superheterodyne radio module and Helical Antenna.	10 ÷ 15V	20mA	433.92MHz	-108 dBm	Eimension: 65 x 45 mm	
KEYFOB							
MODEL	DESCRIPTION	Vdc	Channels	Frequency	Encoder		
RCTV-01	RCTV-01 is a 4 channels keyfob transmitter with SAW oscillator and learning Code Ev1527. EV1527 is an OTP encoder with 20bit can storage 1048576 combinations. Color: Gold Dimension : 5.8 /3.8/1.25cm	12Volt battery	4 keys	433.92MHz	EV1527		
RCTV-02	RCTV-02 is a 2 channels keyfob transmitter with SAW oscillator and HCS 301 rolling code encoder. Manufactoring code = RadioControlli Color : black Dimension : 5.2 /3.1/1.2cm	3 Volt CR2032 battery	2 keys	433.92MHz	HCS 301	O C	
CC1310 USB Dong	jle				'		
DESCRIPTIO	N				PICTU	RE	
The RC-CC1310-USB-XXX dongle is based on Texas Instruments CC1310F128 component. Ultra Low Power sub 1GHz Multichannels Radio Transceiver with USB interface. In addition the tranceiver is connected to a single chip Cp2102 (Silicon Labs), to allow the USB to UART data transfer. Available at 868MHz and 915MHz. RC-CC1310-USB-868 = 868.00MHz RC-CC1310-USB-915 = 915.00MHz							
BIDIRECTIONAL R	EMOTE SYSTEM						
DESCRIPT	ION				PICT	URE	
composed by a bidirect unit with the possibilit The remote control has th (bidirectional), feature th controls and allow the us state of the system. Each visual confirmation if the (return receipt). LED=GREEN=Relay no LED=RED=Relay active							



IOT MODULES STMICROELECTRONICS BASED								
MODEL	DESCRIPTION	Vdc	Current	Frequency	Sensibility Power			
RC-S2LP-XXX	The RC-S2LP-XXX module is based on STMicroelectronics S2-LP transceiver. The module is designed for maximum performance in a minimal space, with 4 programmable I/O pins. Ready for use. SMD mounting. Metal Shield RC-S2LP-434 = 433.92MHz Version RC-S2LP-868 = 868.35MHz Version RC-S2LP-915 = 915.00MHz Version	1.8 ÷ 3.6V	7.2mA (RX) 20mA (TX)	433 MHz 868 MHz 915 MHz	-128 dBm +16 dBm	Radio ((ontroll FCC 1D: 2NH15-RC-\$2LP-915 Dimensions: 22 x 15mm		
RC-S2LP-XXX-HA	The RC-S2LP-868-HA module is based on STMicroelectronics S2-LP transceiver. The module is designed for maximum performance in a minimal space, with 4 programmable I/O pins. Ready for use SMD mounting (15x 22mm) - Metal shield. With helical Antenna. RC-S2LP-868-HA = 868MHz Version RC-S2LP-915-HA = 915MHz Version	1.8 ÷ 3.6V	7.2mA (RX) 20mA (TX)	868 MHz 915 MHz	-128 dBm +16 dBm	Redo (ontrol) FCC 10:20-915 Dimensions: 22 x 15mm		
RC-S2LP-XXX-EK RC-S2LP-XXX-HA-EK	Adapter for NUCLEO1/Arduino This Evaluation board can be used with the RC-S2LP-XXX module. With this board it is possible to use all the SW resources provided for the development activity.	1.8 ÷ 3.6V	7.2mA (RX) 20mA (TX)	433 MHz 868 MHz 915 MHz	-128 dBm +16 dBm			

IOT MODULES TEXAS INSTRUMENTS BASED

MODEL	DESCRIPTION	Vdc	Current	Frequency	Sensibility Power	
RC-CC1310-XXX	The RC-CC1310-XXX module is based on Texas Instruments CC1310F128 component. This device combines a flexible very low power RF transceiver with a powerful 48MHz Cortex M3 microcontroller in a platform supporting multiple physical layers and RF standard. RC-CC1310-434 = 433MHz Version RC-CC1310-868 = 868MHz Version RC-CC1310-915 = 915MHz Version	1.8 ÷ 3.6V	5.5mA (RX) 23mA (TX)	434 MHz 868 MHz 915 MHz	-124 dBm +14 dBm	Radio ((ontrolli RC-CC1310-915 Dimensions: 22 x 15mm
RC-CC1310F-XXX	The RC-CC1310F-XXX is based on Texas Instruments CC1310F128 component more a 16M-bit of serial flash memory. Compared to the standard version the «F» version has onboard a 16 M-nite serial flash memory type GD25Q16CEIG. RC-CC1310F-868 = 868MHz Version RC-CC1310F-915 = 915MHz Version	1.8 ÷ 3.6V	5.5mA (RX) 23mA (TX)	868 MHz 915 MHz	-124 dBm +14 dBm	Radio ((ontrolli RC-CC1310F-868
RC-CC1312R-XXX	The RC-CC1312R-XXX is based on Texas Instruments CC1312R1F3RGZ component. This devices combines a flexible , very low power RF trans- ceiver with a powerful 48MHz ARM Cortex M4F CPU in a platform supporting multiple physical layer and RF standard. RC-CC1312R-868 = 868MHz Version RC-CC1312R-915 = 915MHz Version	1.8 ÷ 3.6V	5.5mA (RX) 23mA (TX)	868 MHz 915 MHz	-124 dBm +14 dBm	Radio ((ontrolli) RC-CC1312R-915
RC-CC1352-XXX (Sub 1GHz & 2.4GHz)	The RC-CC1352-XXX module is based on Texas Instruments CC1352R component. The CC1352R device is a multiprotocol Sub-1 GHz and 2.4-GHz wireless MCU targeting Wireless M-Bus, IEEE 802.15.4g, IPv6-enabled smart objects (6LoWPAN), Thread, Zigbee®, KNX RF,Wi-SUN®, Bluetooth® 5 low energy, and proprietary systems.	1.8 ÷ 3.6V	8.1mA (RX) 24mA (TX)	433 MHz 868 MHz 915 MHz 2.4 GHz	-112 dBm +14 dBm (sub 1GHz) +5 dBm (Bluetooth)	Dimensions: 29.86 x 19.98mm

Radio (controlli Wireless Modules

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