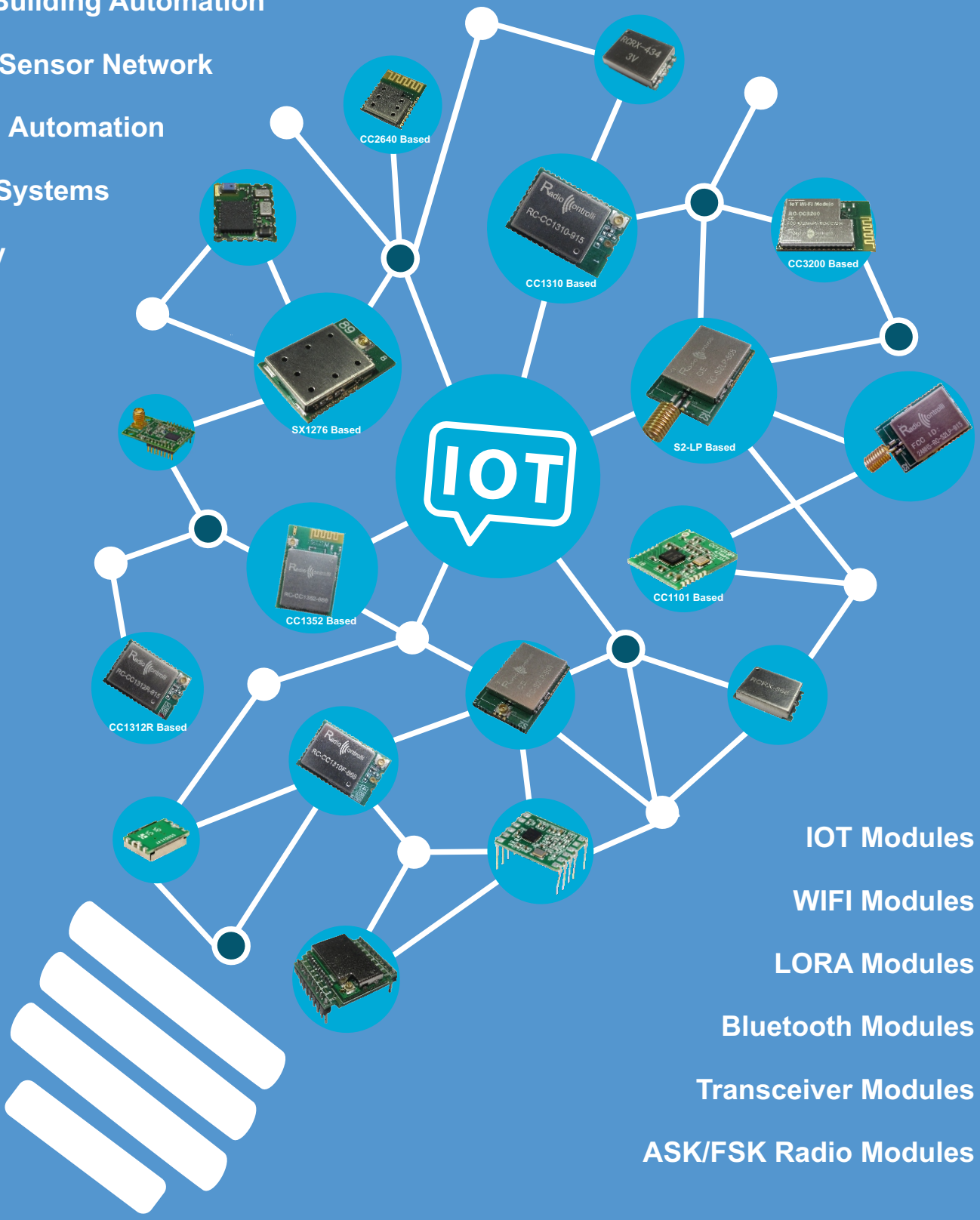
Radiocontrolli®

Wireless Modules

Rev. 2.2

- Home & Building Automation
- Wireless Sensor Network
- Industrial Automation
- Security Systems
- Telemetry

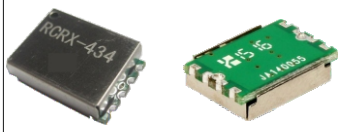
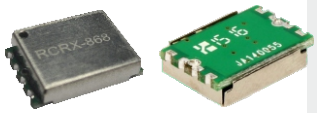


- IOT Modules
- WIFI Modules
- LORA Modules
- Bluetooth Modules
- Transceiver Modules
- ASK/FSK Radio Modules

RADIOCONTROLLI S.R.L.
Via C. Santagata 73
81055 Santa Maria C.V. (CE) ITALY
Phone : +39 0823 1545993
Mobile : +39 3334156216

www.radiocontrolli.com
sales@radiocontrolli.com

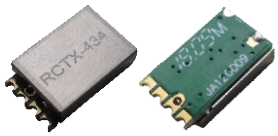
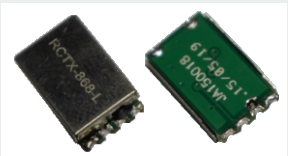
RECEIVER - ASK SUPERHET - Miniaturized Version

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

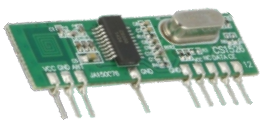
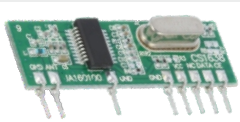
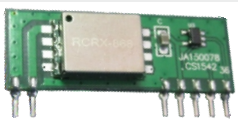
***WORLD'S SMALLEST* Radio Receiver Modules**

On request, we can customize the frequency values

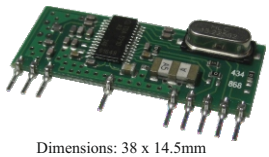
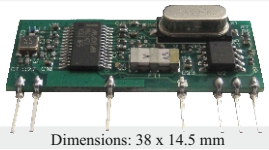
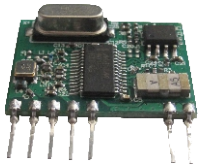
ASK/OOK TRANSMITTER - Miniaturized Version

MODEL	DESCRIPTION	Vdc	Current	Frequency	RF Power	Data Rate	
RCTX-434 **RCTX-434-L**	Very small ASK/OOK transmitter module with crystal oscillator at 433.92MHz. Metal shield. SMD mounting. 5Volt version and 3Volt version 315MHz version available	4 - 12 V 2.2-3.6 V	21mA 15mA	868.35 MHz	+11 dBm	50 Kbit/s	 Dimensions: 12 x 6.8 mm
RCTX-868-L	Very small ASK/OOK transmitter module with crystal oscillator at 868.35MHz. Metal shield. SMD mounting. 3Volt version. 915MHz version available	2.2-3.6 V	15mA	868.35 MHz	+9 dBm	50 Kbit/s	 Dimensions: 12 x 6.8 mm

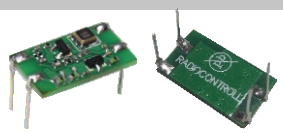
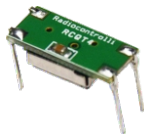
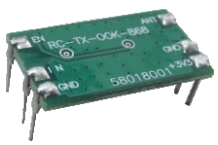
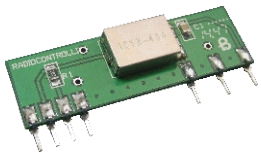
RECEIVER LOW COST - ASK SUPERHET

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

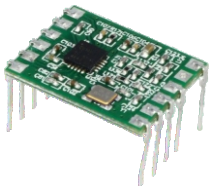
RECEIVER - ASK SUPERHET

MODEL	DESCRIPTION	Vdc Is	Sensitivity	Frequency (XXX)	-3dB BW	Data Rate	
RCASK2-XXX Other frequency available : 433.42MHz version 868.95 MHz version	AM Superhet data receiver with crytall oscillator and Squelch Circuit. RCASK2-315 = 315.00MHz Version RCASK2-434 = 433.92MHz Version RCASK2-868 = 868.35MHz Version RCASK2-915 = 915.00MHz Version	5V 6mA	-107 -102 dBm	315/433.92 868.35/915 MHz	150 KHz	4.8 Kbit/s	 Dimensions: 38 x 14.5mm
RCASK4-434-CH	AM Superhet data receiver with SAW Front End filter and output noise filter to obtain high immunity to electromagnetic interference. **Ideal for application that needs high immunity.**	5V 7.5mA	-113 dBm	433.92 MHz	150 KHz	4.8 Kbit/s	 Dimensions: 38 x 14.5 mm
RCASK3-434-CH	AM Superhet data receiver with SAW Front End filter and output noise filter to obtain high immunity to electromagnetic interference. **Ideal for application that needs high immunity.**	5V 7.5mA	-113 dBm	433.92 MHz	150 KHz	4.8 Kbit/s	 Dimensions: 25.4 x 19.5 mm

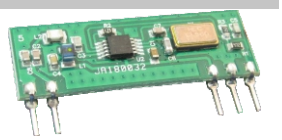
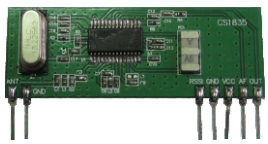
ASK/OOK TRANSMITTER

MODEL	DESCRIPTION	Vdc	Current	Frequency	RF Power	Data Rate	
RC-TX1-434	433.92MHz ASK transmitter module with SAW oscillator and power amplifier.	2 - 12 Volt	8 mA	433.92 MHz	10 dBm	9.6 Kbit/s	 Dimensions: 17.9 x 10.1 mm
RC-TX2-434	433.92MHz ASK transmitter module with SAW oscillator and power amplifier.	2 - 12 Volt	8 mA	433.92 MHz	10 dBm	9.6 Kbit/s	 Dimensions: 25.3 x 11.4 mm
RCQT4-XXX	Very small ASK/OOK transmitter module with crystal oscillator at 433.92 MHz. Metal shield. THT version. RCQT4-434 = 433.92MHz Version RCQT4-868 = 868.35MHz Version	4 - 12 V 2.2 - 3.6 V	21mA 15mA	433.92 868.35 MHz	+11 +9 dBm	50 Kbit/s	
RC-TASK2-868	ASK/OOK transmitter module with crystal oscillator at 868.36i5MHz. Dual line package operating a 3.3Volt. Power down mode is also available.	2.2 ÷ 3.6 Volt	21mA 15mA	868.35 MHz	+10 dBm	50 Kbit/s	 Dimensions: 20.32 x 11.43 mm
RCBTX-434	Very small ASK/OOK transmitter module with crystal oscillator at 433.92MHz. Metal shield. THT version. 5Volt version and 3Volt version	4 - 12 V 2.2 - 3.6 V	21mA 15mA	433.92 MHz	+11 dBm	50 Kbit/s	 Dimensions: 38 x 12 mm

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	15mA (RX) 29mA (TX) 0.2µA (sleep)	433 MHz 868 MHz 915 MHz	-110 dBm +10 dBm	 Dimensions: 18 x 15 mm
RC-CC1101-SPI-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. THT mounting.	1.8 ÷ 3.6V	15mA (RX) 29mA (TX) 0.2µA (sleep)	433 MHz 868 MHz 915 MHz	-110 dBm +10 dBm	 Dimensions: 21.5 x 15.6 mm

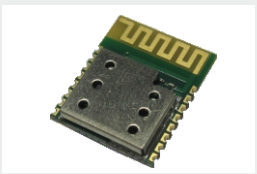
FSK MODULES

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 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.	3.0 ÷ 3.6V	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)	 Dimensions: 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)	 Dimensions: 76 x 27.5 mm Antenna height : 56mm

IOT MODULES

MODEL	DESCRIPTION	Vdc	Current	Frequency	Sensibility / Power	
RCQ3-XXX (SMT version)	The functionalities are the following : - Wireless Switch - Wireless Controller - Wireless Actuator Can work in Long Range Mode (LRM) that is particulary encoding technique that trades data rate for sensibility gains. RCQ3-434 = 433.92MHz Version RCQ3-868= 868.35MHz Version RCQ3-915= 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)	 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)	 Dimensions: 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	 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	 Dimensions: 22 x 15mm

Wireless Actuator Arduino Wireless

DESCRIPTION

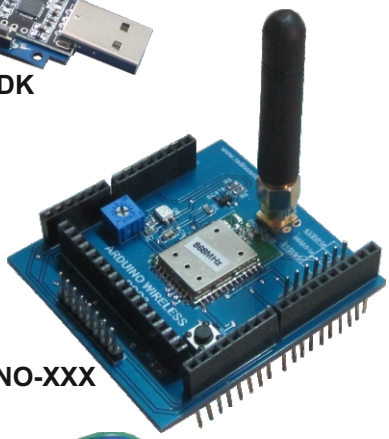
RCQ3-XXX-DK

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.



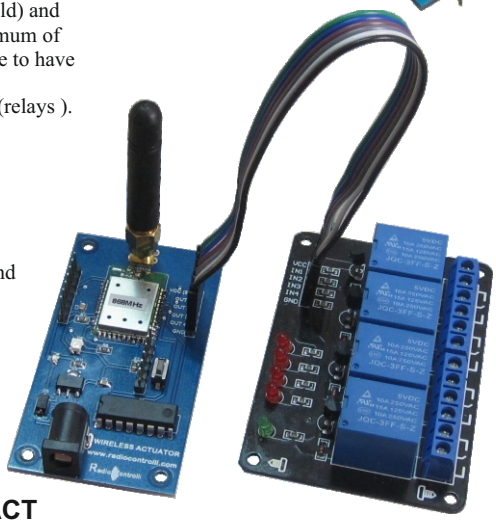
RCQ3-ARDUINO-XXX

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.

<u>On the Radiocontrolli website you can find the Arduino code.</u>



RCQ3-XXX-ACT

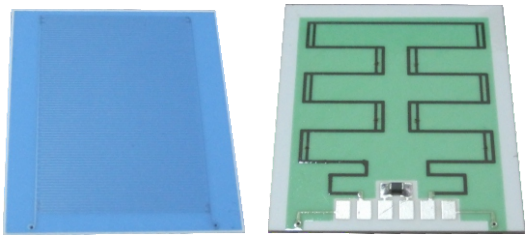
THICK FILM TECHNOLOGY

DESCRIPTION

RC-SPC1K (Rain Sensor)

RC-SPC1K is a thick film technology rain sensor. This device is 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 :
1) Capacitive sensor (Face A)
2) Heater generator
3) Temperature Sensor

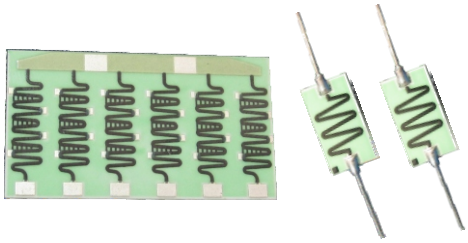
The Face A is the sensitivity area (capcitive sensor) this area is exposted to natural agent (rain). In dry condition the value of the capacitor is nominal 105pF; In presence of the rain the capacitance goes to high valued respect the dry condition.



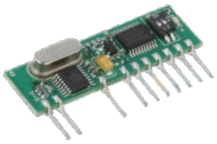
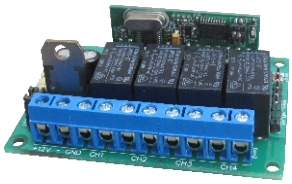
Dimensions: 35.56 x 34.48mm

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.



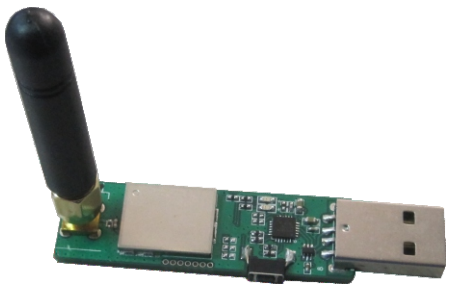
RX UNIT WITH DECODING

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	 Dimension: 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	

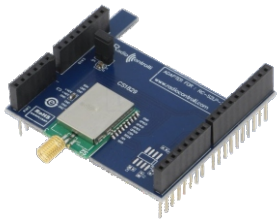
CC1310 USB Dongle

DESCRIPTION	PICTURE
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	 Dimensions: 66 x 16 mm Antenna height : 56mm

BIDIRECTIONAL REMOTE SYSTEM

DESCRIPTION	PICTURE
868MHz Bidirectional wireless system for home automation, composed by a bidirectional remote control and a receiver unit with the possibility to switch up to N.8 relays. The remote control has the capacity both to transmit and receive (bidirectional), feature that makes it unique from other remote controls and allow the user to merely verifying, even remotely, the state of the system. Each time a command is activated it will return a visual confirmation if the activation operation was successful or not (return receipt). LED=GREEN=Relay not actived LED=RED=Relay actived Frequency : 869.5MHz Power Output =20dBm (100mW)	 

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	 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	 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	 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	 Dimensions: 22 x 15mm
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	 Dimensions: 22 x 15mm
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

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RADIOCONTROLLI S.R.L.
Via C. Santagata 73
Centro Direzionale Contemporanea
81055 Santa Maria C.V. (CE) ITALY

Phone : +39 0823 1545993
Mobile : +39 3334156216

sales@radiocontrolli.com
www.radiocontrolli.com

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