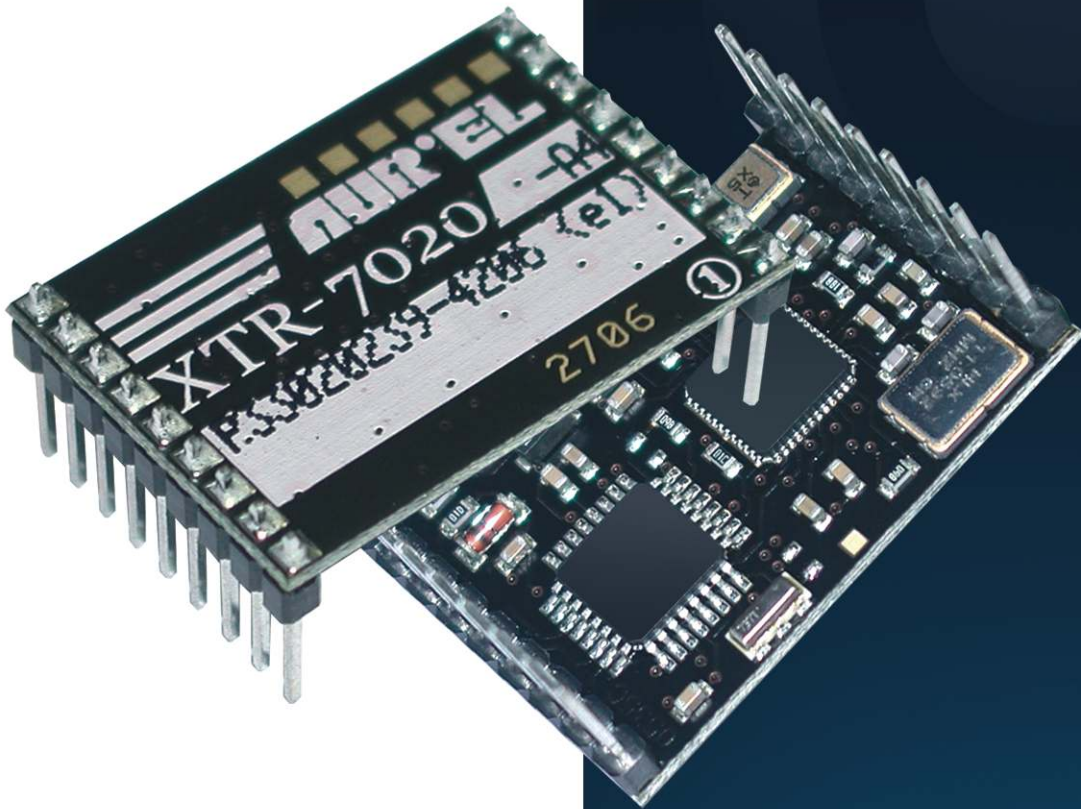




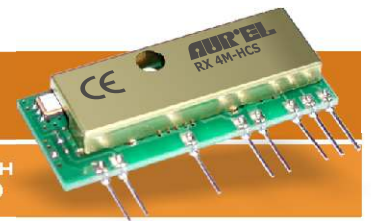
THE WIRELESS EXPERIENCE

Radio frequency modules



RX RECEIVERS

Gate door openers, burglar alarms, home security, remote controls



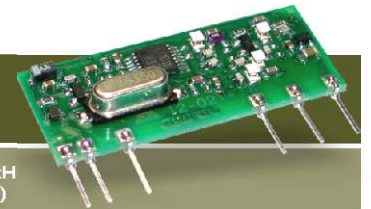
MODEL Part number	AM	FM	Frequency (Mhz)	Supply (V)	Current (mA)	Sensitivity (dBm)	R.F. Band (KHz)	Bit rate (Bps)	LxWxH (mm)	
BC-NBK ⁽¹⁾ 650200208	●		433.92	+5	2.7	- 103	± 1200	2400	38 x 13.7 x 5.5	Low Cost Receiver
AC-RX/AC-RX2 ⁽¹⁾ 650200473/884	●		433.92	+5	2.5	- 106	± 2000	2400	38 x 12.3 x 5.5	Low Cost Receiver
RX-4M30RR01SF ⁽¹⁾ 650200590	●		433.92	+3	0.07	- 100	600 SAW Filter	2400	40 x 17.5 x 5.5	Low consumption 2.5V version available
RX-4M50RR30SF ⁽¹⁾ 650200527	●		433.92	+5	3	- 106	600 SAW Filter	2400	40 x 17.5 x 5.5	High performance
RX-4MHCS ^{(1)(*)} 650200997	●		433.92	+5	3	- 106	150	2400	39 x 17.5 x 5	HCS decoder embedded
RX-AM4SF ⁽¹⁾ 650200701	●		433.92	+5	6.5	- 109	600 SAW 280 IF Ceramic	2400	40.3 x 17.5 x 5	RSSI Super-het
RX-4MM5 ⁽¹⁾ 650200821	●		433.92	+5	5.8	- 114	280 IF Ceramic	2400	39 x 17.5 x 5	High sensitivity super-het 3V version available
RX-4MM5++ 650200972	●		433.92	+5	5.8	- 114	600 SAW 280 IF Ceramic	2400	36 x 15 x 4	SAW filtered EMI proof
RX-4M50FM60SF 650200605		●	433.92	+5	6	- 111	600 SAW 70 IF CER	19200	44.9 x 17.5 x 9.3	Super-Het High sensitivity
RX-4MF1 650200855		●	433.92	+5	6	- 108	600 SAW 70 IF CER	19200	40 x 17.4 x 5.5	Super-Het Low cost Auto Squelch
RX-AM8SF ⁽¹⁾ 650200797	●		868.30	+5	6.5	- 108	600 SAW 280 IF CER	2400	40.3 x 17.5 x 5.3	RSSI High Sensitivity
RX-8L50FM70SF 650200636		●	868.30	+5	7	- 107	600 SAW filter	9600	44.9 x 17.5 x 9.3	Super-Het High sensitivity

(1) 100% modulazione RF / RF generator with 100% modulation.

(*) Compatible only with HCS keyfobs programmed with AUREL manufacturer code.

TX HYBRID TXs

Gate door openers, burglar alarms, home security, remote controls



MODEL Part number	AM	FM	Frequency (Mhz)	Supply (V)	Current (mA)	Out Power (mW)	Bit rate (Bps)	LxWxH (mm)	
TX-4MDIL 650200738	●		433.92	+3÷5	3÷6	1.5	9600	17.8 x 10.16 x 2	Mini Tx DIL
TX-4MSIL 650200737	●		433.92	+3÷5	3÷6	2÷4	9600	17.8 x 12.4 x 2	Mini Tx SIL
TX-SAW MID 3V 650200798	●		433.92	1.8÷3.5	3÷7	10	9600	28 x 12.5 x 3	Ideal for long battery life 5V version available
TX-SAW 433 s/Z RFM 650200689	●		433.92	+5	4	10	9600	38.1 x 13.2 x 3	Low cost Tx
TX-4M10HA 650200819	●		433.92	+3	25	10 (ERP)	9600	56 x 18.5 x 10	High power Integrated antenna Vertical pin available
TX-FM-MID 650200926		●	433.92	+3	11÷16	10	9600	25.4 x 12.5 x 3	Enable pin version available
TX-8LAVSA05 650200546	●		868.30	+2.7÷5	20÷50	5	9600	38.1 x 13.7 x 3	Low cost Integrated antenna available
TX-8L25IA 650200846	●		868.30	+3	25	25 (ERP)	9600	56 x 18.5 x 5	High power Integrated antenna Horiz/Vert. versions
TX-8L50PF05 650200653		●	868.30	+5	24	6	9600	39 x 17.5 x 5	High performance 3V version available

ANT

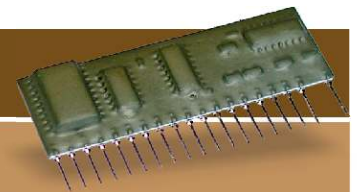
ANTENNAS
Industrial automation, radio modem, access control



MODEL Part number	Frequency (MHz)	Impedance (Ω)	Case	LxWxH (mm)	
AS433 / AS868 650200596/597	430-440 860-870	50	Black PVC	34 x 175	Vertical
GP433/GP868 650200313/599	430-440 860-870	50	Aluminium & Chromium Plated Brass	190 x 460	Ground Plane
T/T8 650200442/607	430-440 860-870	50	Black rubber	10 x 90	Flexible stylus
T-A/T8-A 650200448/608	430-440 860-870	50	Black rubber	10 x 90	Flexible stylus
A24 650200740	2200+2600	50	White PVC	188.5 x 133 x 39.5	High Gain antenna

DEC

DECODERS
Gate door openers, burglar alarms, home security, remote controls



MODEL Part number	Supply (V)	Current (mA)	Decoder (type)	Encoder (type)	Clock (KHz)	LxWxH (mm)	
D1MB 650200012	+5-15	1 quiescent	145028	145026	1.7	40 x 16.8 x 3.5	Single channel
D2MB 650200011	+5-15	1 quiescent	145027	145026	1.7	51.2 x 16 x 4.3	Dual channels
D4ML 650200450	+5-15	1 quiescent	HT12D	86409	1	51.2 x 18.8 x 4.3	Four channels
HCS-DEC 4 (*) 650200994	12 DC 24 AC	66 ON 20 Stand by	µP	HCS300		65 x 45 x 18	Available with 1/2/4 channels



(*) Compatible only with HCS keyfobs programmed with AUREL manufacturer code.



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Tali prodotti sono identificati da un codice esteso con lettera - G - (es: 650200473G)

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Custom solutions

AUREL is specialized in custom production and relative projecting, adapting it to individual customer request.

Example applications

- (1) Magnetic sensors for intrusion alarm
- (2) Alarm remote control
- (3) Temperature remote control



Enclosures
laser marking
on request



Soluzioni custom

AUREL è specializzata per produzioni custom e relativo progetto con rispondenza alle richieste specifiche del cliente.

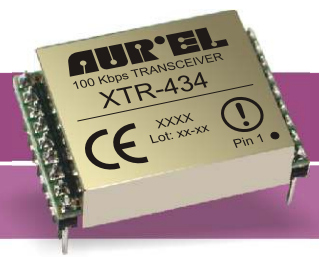
Alcuni esempi

- (1) Sensore magnetico per allarme anti-intrusione
- (2) Allarme per controllo remoto
- (3) Controllo remoto di temperatura

RTX

SINGLE CHANNEL

Telemetry, home automation, remote meter reading



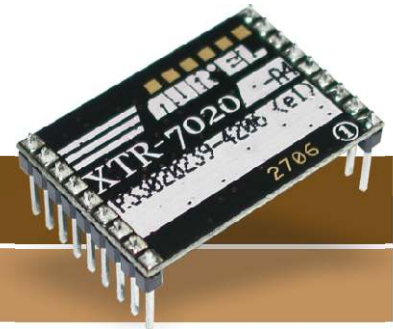
MODEL Part number	AM	FM	Frequency (MHz)	Supply (V)	Current (mA)	Sensitivity (dBm)	TX Power (mW)	Max Bit rate (bps)	LxWxH (mm)	
RTF-DATA-SAW ⁽¹⁾ 650200218	●		433.92	+5	Tx 4.5 Rx 2.5	-96	10	9600	63.5 x 17.9 x 5	Low Cost
RTX-RT LP 434 ⁽¹⁾ 650200589	●		433.92	+3	Rx 0.08	-99	10	2400	63.3 x 17.2 x 5	Low Consumption
XTR-434 ⁽¹⁾⁽²⁾ 650200588		●	433.92	+5	28 Tx On 11 Rx On 0.1 All Off	-100	10	100.000	33 x 23 x 8	High speed 433.42 MHz available
XTR-434L ⁽¹⁾⁽³⁾ 650200614		●	433.92	+5	28 Tx On 11 Rx On 0.1 All Off	-103	10	50.000	33 x 23 x 8	High sensitivity
XTR-869 ⁽¹⁾⁽³⁾ 650200624		●	869.85	+5	28 Tx On 11 Rx On 0.1 All Off	-100	5	100.000	33 x 23 x 8	High speed
WIZ-434-RS 650200615		●	433.92	+9÷15	30	-100	10	115.200	65 x 125 x 20	Integrated antenna Open frame Plastic enclosure available
WIZ-434-SML IA 5V 650200626		●	433.92	+5	30	-100	3	115.200	37 x 93 x 20	Small size Integrated antenna 12V version available
WIZ-869-TRS 650200705		●	869.85	+5	13 Rx On 29 Tx On	-100	3	38.400	68 x 40 x 10	Transparent Throughput Integrated antenna

(1) 100% modulazione RF / RF generator with 100% modulation
 (2) Bit rate min. 9600 bps
 (3) Bit rate min. 2400 bps
 (*) Needs Manchester balanced code / Richiede codifica Manchester

RTX

MULTI CHANNEL

Industrial automation, radio modem, access control



MODEL Part number	AM	FM	Frequency (MHz)	Supply (V)	Current (mA)	TX Power (mW)	Bit rate (Bps)	LxWxH (mm)	
XTR-7020 A-4 650200925		●	433÷434	+3	30 RX ON 40 TX ON 0.08 OFF	Min 0.15 Max 10	MAX 115.200	33 x 23 x 8	Microcontroller embedded
XTR-7020 A-8 650200998		●	868÷870	+3	30 RX ON 40 TX ON 0.08 OFF	Min 0.15 Max 10	115.200	33 x 23 x 8	Microcontroller embedded
WIZ-7020 A-4 650200960		●	433÷434	+5	30 RX ON 40 TX ON 0.08 OFF	Min 0.1 Max 3 (E.R.P.)	115.200	68 x 40 x 10	Integrated antenna
WIZ-7020 A-8 650200999		●	868 ÷ 870	+5	30 RX ON 40 TX ON 0.08 OFF	Min 0.1 Max 3 (E.R.P.)	115.200	68 x 40 x 10	Integrated antenna
W232-ADAPTER 650200627									To be used with: WIZ-434-SML IA/12V, WIZ-869-TRS, WIZ-903 A-x Da utilizzare con: WIZ-434-SML IA/12V, WIZ-869-TRS, WIZ-903 A-x RS232-TTL logic level converter
XTR-CYP 2.4 650200915		●	2402 ÷ 2481	+3.3	60 RX ON 100 TX ON	Min 0.04 Max 30 (E.R.P.)	64.000	35 x 25	Spread spectrum Integrated antenna



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MODEL Part number	AM	FM	Frequency (Mhz)	Supply (V)	Current (mA)	E.R.P. (mW)	Encoder (type)	Channels (buttons)	LxWxH (mm)	
TX-1/2TK-SAW433 650200134/135	●		433.92	+12	10	1	145026	1/2	65.5 x 37 x 15	
TX12E-1/2TK SAW433 650201000/1001	●		433.92	+12	10	1	HT12E 3750 comp.	1/2	65.5 x 37 x 15	
HCS-TX-1/2/3 650200609/610/606	●		433.92	+3	10	0.5	HCS300	1/2/3	54 x 43 x 11	
TX1/2/3-HCS-433 650200569/571/568	●		433.92	+12	10	0.5	HCS301 Available HCS360	1/2/3	56.5 x 36 x 14	
TX12E-1/2/4 C-SAW433 650200919/918/917	●		433.92	+12	7	1	HT12E 3750 comp.	1/2/4	75 x 43.5 x 18.5	
TX-1/2/4 C-5026 650200463/444/462	●		433.92	+12	10	1	145026	1/2/4	75 x 43.5 x 18.5	
TX12E-1/2/4 E-SAW433 650200922/921/920	●		433.92	+12	7	1	HT12E 3750 comp.	1/2/4	80 x 43.5 x 18.5	
TX-2/4/6 M-HCS 650200805/806/807	●		433.92	+12	7	1	HCS301	2/4/6	75 x 43.5 x 18.5	
TX-12 CH 650200487	●		433.92	+6	10	0.5	HCS301	12	85.5 x 54 x 10.5	
HCS-FM-TX 1/2/3 650200611/612/613		●	433.92	+3	10	0.5	HCS300	1/2/3	54 x 43 x 11	
HCS-TX 1/2/3-868 650200910/714/891	●		868.30	+3	10	1	HCS300	1/2/3	54 x 43 x 11	
HCS-FM-TX 1/2/3-868 650200745/649/647		●	868.30	+3	10	0.5	HCS300	1/2/3	54 x 43 x 11	

N.B. I trasmettitori con HCS vengono forniti NON programmati - Per elevate quantità AUREL puo' programmarli in accordo con le specifiche richieste
 N.B. By default all HCS keyfobs are supplied NO programmed - For convenient quantity AUREL is willing to program them according to customers own parameters.

Electronic manufacturing services

AUREL SPA 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.

AUREL SPA 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 SPA 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 proprio continuo successo. AUREL SPA ha due linee di prodotti, sviluppati e prodotti dalla divisione Microelettronica e Radiofrequenza.

AUREL SPA believes in growth through dedication to customer service and quality. AUREL SPA 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 SPA has two main line of products: Microelectronic dpt and Wireless dpt.

R&D

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.

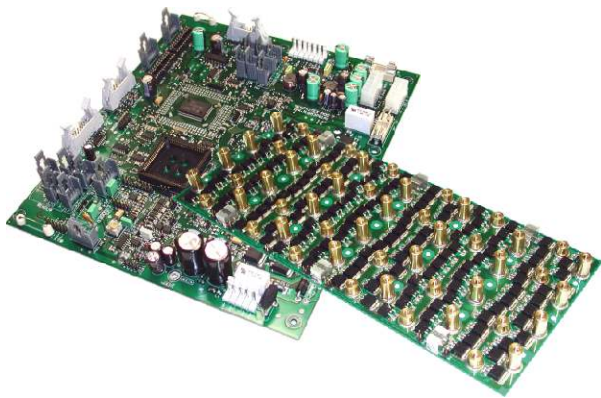
AUREL product are the natural consequence of dedicated research performed with rigorous respect for the parameters dictated by the need to provide an innovative products. A strong commitment and investment in research and development are the main reasons for AUREL's success.

Technologies

Insulated Metal Substrate (IMS)
Porcelain Enamelled Steel (PES)
Chip On Board (COB)

Application

Automotive, Motor control, Fork-lift, UPS,
Inverter, Welding machines, Electrical motor,
Lighting



ISO Certification



AUREL, leader nei prodotti a Radio Frequenza "LOW POWER" è certificata ISO 9001 Ed. 2000 ed applica un sistema totale di controllo qualità su tutte le fasi di sviluppo e produzione.



AUREL, leader into "LOW POWER" RF devices is ISO 9001 Ed. 2000 for full design and manufacturing process.



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