

PRODUCT NUMBER OVERVIEW

| Family | Module | Frequency band [MHz] | # Channels | Data rate [Kbps] | RX sensitivity [dBm] | RX current [mA] | Pout [dBm] | TX current [mA] | SLEEP current [uA] | Operating supply voltage [V] | Operating temperature [deg C] | Indicative LOS [m] | Region / compliance |
|-------------------------------|----------------|----------------------|------------|------------------|----------------------|-----------------|------------|-----------------|--------------------|------------------------------|-------------------------------|--------------------|---------------------|
| Low cost - general purpose | RC1140-RC232 | 433-434 | 17 | 1.2 - 100 | -110 | 24 | 10 | 35 | 0,3 | 2,0 - 3,6 | -40 to +85 | 1200 | EU / CE |
| | RC1170-RC232 | 865-867 | 15 | 1.2 - 100 | -110 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 800 | India |
| | RC1180-RC232 | 868-870 | 16 | 1.2 - 100 | -110 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 800 | EU / CE |
| | RC1190-RC232 | 902-928 | 50 | 1.2 - 100 | -110 | 24 | -1 | 22 | 0,3 | 2,0 - 3,6 | -40 to +85 | 300 | USA / FCC |
| | RC1170HP-RC232 | 865-867 | 15 | 1.2 - 100 | -109 | 24 | 27 | 560 | 3,4 | 2,7 - 3,3 | -40 to +85 | 4000 | India |
| | RC1180HP-RC232 | 868-870 | 18 | 1.2 - 76.8 | -109 | 24 | 27 | 560 | 3,4 | 2,7 - 3,3 | -40 to +85 | 4000 | EU / CE |
| | RC1190HP-RC232 | 902-928 | 50 | 1.2 - 100 | -109 | 24 | 27 | 560 | 3,4 | 2,7 - 3,3 | -40 to +85 | 4000 | USA / FCC |
| | RC2500-RC232 | 2400-2483 | 83 | 1.2 - 100 | -105 | 25 | 1 | 27 | 0,4 | 2,0 - 3,6 | -40 to +85 | 500 | World wide* |
| RC2500HP-RC232 | 2400-2483 | 83 | 1.2 - 100 | -108 | 30,0 | 18 | 155 | 1,5 | 2,7 - 3,6 | -20 to +85 | 2000 | World wide* | |
| Narrowband | RC1210 | 418/419 | 30 | 4,8 | -112 | 20 | 8 | 26 | 0,003 | 2,8 - 5,5 | -20 to +55 | 2000 | China |
| | RC1230 | 426/429 | 71 | 2,4 | -115 | 20 | 8 | 26 | 0,003 | 2,8 - 5,5 | -20 to +55 | 2000 | Japan |
| | RC1240 | 433-434 | 80 | 4,8 | -115 | 20 | 8 | 26 | 0,003 | 2,8 - 5,5 | -20 to +55 | 2000 | EU / CE |
| | RC1244 | 429-444 | 85 | 4,8 | -115 | 20 | 8 | 26 | 0,003 | 2,8 - 5,5 | -20 to +55 | 2000 | Nordic |
| | RC1250 | 424/447 | 80 | 2,4 | -117 | 20 | 8 | 26 | 0,003 | 2,8 - 5,5 | -20 to +55 | 2000 | Korea |
| | RC1280 | 868-870 | 80 | 4,8 | -110 | 21 | 7 | 28 | 0,003 | 2,8 - 5,5 | -20 to +55 | 1000 | EU / CE |
| | RC1290 | 902-928 | 51 | 4.8-19.2 | -110 | 21 | -1 | 23 | 0,003 | 2,8 - 5,5 | -20 to +55 | 500 | USA / FCC |
| | RC1701HP-RC232 | 169 | 10 | 0.3 - 100 | -118 | 31 | 27 | 407 | 0,6 | 2,8 - 3,6 | -30 to +85 | 20km | EU / CE |
| | RC1740-RC232 | 433-434 | 93 | 0.3 - 100 | -118 | 31 | 15 | 57 | 0,6 | 2,8 - 3,6 | -30 to +85 | 3km | World wide* |
| | RC1740HP-RC232 | 433-434 | 93 | 0.3 - 100 | -118 | 31 | 27 | 318/63 | 0,6 | 2,8 - 3,8/5,0 | -30 to +85 | 10km | World wide* |
| | RC1760HP-RC232 | 458/463/467 | 239 | 0.3 - 100 | -118 | 31 | 27 | 318/63 | 0,6 | 2,8 - 3,8/5,0 | -30 to +85 | 10km | UK, Ireland, ZA* |
| RC1780HP-RC232 | 868-870 | 84 | 0.3 - 100 | -118 | 31 | 27 | 297/72 | 0,6 | 2,8 - 3,8/5,0 | -30 to +85 | 5km | EU / CE | |
| Tinymesh | RC1140-TM | 433-434 | 17 | 1.2 - 100 | -110 | 24 | 10 | 35 | 0,3 | 2,0 - 3,6 | -40 to +85 | 1200 | EU / CE |
| | RC1170-TM | 865-867 | 15 | 1.2 - 100 | -110 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 800 | India |
| | RC1180-TM | 868-870 | 18 | 1.2 - 100 | -110 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 800 | EU / CE |
| | RC1190-TM | 902-928 | 50 | 1.2 - 100 | -110 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 300 | USA / FCC |
| | RC1170HP-TM | 865-867 | 15 | 1.2 - 100 | -109 | 24 | 27 | 560 | 0,3 | 2,7 - 3,3 | -40 to +85 | 4000 | EU / CE |
| | RC1180HP-TM | 868-870 | 18 | 1.2 - 100 | -109 | 24 | 27 | 560 | 0,3 | 2,7 - 3,3 | -40 to +85 | 4000 | EU / CE |
| | RC1190HP-TM | 902-928 | 50 | 1.2 - 100 | -109 | 24 | 27 | 560 | 0,3 | 2,7 - 3,3 | -40 to +85 | 4000 | USA / FCC |
| | RC2500-TM | 2400-2483 | 83 | 1.2 - 100 | -105 | 25 | 1 | 27 | 0,4 | 2,0 - 3,6 | -40 to +85 | 500 | World wide* |
| | RC2500HP-TM | 2400-2483 | 83 | 1.2 - 100 | -108 | 30 | 18 | 155 | 1,5 | 2,7 - 3,6 | -20 to +85 | 2000 | World wide* |
| | RC1701HP-TM | 169 | 10 | 0.3 - 100 | -118 | 31 | 27 | 407 | 0,6 | 2,8 - 3,6 | -30 to +85 | 20km | EU / CE |
| | RC1740-TM | 433-434 | 173 | 0.3 - 100 | -118 | 31 | 15 | 57 | 0,6 | 2,8 - 3,6 | -30 to +85 | 3km | World wide* |
| | RC1740HP-TM | 433-434 | 173 | 0.3 - 100 | -118 | 31 | 27 | 407 | 0,6 | 2,8 - 3,6/5,0 | -30 to +85 | 10km | World wide* |
| | RC1760HP-TM | 458/463/467 | 239 | 0.3 - 100 | -118 | 31 | 27 | 407 | 0,6 | 2,8 - 3,6/5,0 | -30 to +85 | 10km | UK, Ireland, ZA* |
| RC1780HP-TM | 865-870 | 84 | 0.3 - 100 | -118 | 31 | 27 | 407 | 0,6 | 2,8 - 3,6/5,0 | -30 to +85 | 5km | EU / CE / India | |

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| Family | Module | Frequency band [MHz] | # Channels | Data rate [kbps] | RX sensitivity [dBm] | RX current [mA] | Pout [dBm] | TX current [mA] | SLEEP current [uA] | Operating supply voltage [V] | Operating temperature [deg C] | Indicative LOS [m] | Region / compliance |
|-------------------------------|-----------------|----------------------|--------------|------------------|----------------------|-----------------|------------|-----------------|--------------------|------------------------------|-------------------------------|--------------------|------------------------|
| Wireless M-Bus | RC1140-MBUS3 | 433 | 12 | 4.8/32/100 | -106/-102/-101 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 1000 | OMS / non EU |
| | RC1160-MBUS3 | 868 | 1 | 100 | -102 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 500 | OMS / Russia |
| | RC1170-MBUS3 | 865 | 12 | 4.8/32/100 | -106/-102/-101 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 500 | OMS / India |
| | RC1180-MBUS3 | 868 | 12 | 4.8/32/100 | -106/-102/-101 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 500 | OMS / EU / CE |
| | RC1701HP-MBUS4 | 169 | 10 | 2.4/4.8/19.2 | -119/-115/-107 | 31 | 27 | 403 | 0,6 | 2,8 - 3,6 | -30 to +85 | 5km | EU / CE |
| | RC1701VHP-MBUS4 | 169 | 10 | 2.4/4.8/19.2 | -119/-115/-107 | 31 | 30 | 703 | 0,6 | 2,8 - 3,6 | -30 to +85 | 8km | EU / CE |
| | RC1140-MPC1 | 433 | 12 | 4.8/32/100 | -106/-102/-101 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 1000 | non EU |
| | RC1160-MPC1 | 868 | 1 | 100 | -102 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 500 | Russia |
| | RC1170-MPC1 | 865 | 12 | 4.8/32/100 | -106/-102/-101 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 500 | India |
| | RC1180-MPC1 | 868 | 12 | 4.8/32/100 | -106/-102/-101 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 500 | EU / CE |
| RC1701HP-MPC1 | 169 | 10 | 2.4/4.8/19.2 | -119/-115/-107 | 31 | 27 | 403 | 0,6 | 2,8 - 3,6 | -30 to +85 | 5km | EU / CE | |
| KNX | RC1180-KNX2 | 868 | 5 | 16 / 32 | -101 | 24 | 10 | 37 | 0,3 | 2,0 - 3,6 | -40 to +85 | 500 | KNX-RF Multi / EU / CE |
| SIGFOX Ready™ | RC1682-SIG | 868 | 1 | 0,1 / 0,6 | -126 | 33 | 14 | 58 | 1 | 2,8 - 3,6 | -40 to +85 | 10km | EU / CE |
| ZigBee 6LoWPAN IEEE 802.15.4. | RC2400-ZNM | 2400-2483 | 16 | 250 | -97 | 24 | 3 | 34 | 0,4 | 2,0 - 3,6 | -30 to +85 | 500 | World wide* |
| | RC2400HP-ZNM | 2400-2483 | 16 | 250 | -99 | 27 | 20 | 175 | 1,3 | 2,7 - 3,6 | -30 to +85 | 2500 | World wide* |
| | RC2411AT-ZNM | 2400-2483 | 16 | 250 | -97 | 24 | 3 | 34 | 0,4 | 2,0 - 3,6 | -30 to +85 | 500 | World wide* |
| | RC2411CT-ZNM | 2400-2483 | 16 | 250 | -97 | 24 | 3 | 34 | 0,4 | 2,0 - 3,6 | -30 to +85 | 500 | World wide* |
| | RC2411HP-AT-ZNM | 2400-2483 | 16 | 250 | -99 | 27 | 20 | 175 | 10 | 3,0 - 3,6 | -30 to +85 | 2500 | World wide* |
| | RC2411HP-CT-ZNM | 2400-2483 | 16 | 250 | -99 | 27 | 20 | 175 | 10 | 3,0 - 3,6 | -30 to +85 | 2500 | World wide* |

* national regulations may limit output power, bandwidth etc.

For Demo Kits, USB sticks, IESM boards (GPRS gateway) and Reference designs, please refer to our webpage www.radiocrafts.com