









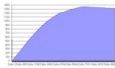





































The complete range of on products and services you will get by visiting of www.roundsolutions.com. You will not get just components but enhanced services like customization and development as well. For quick start you can get free of charge code in C, Basic and Python for several wireless applications. You also will have access to a couple for test servers and to world biggest user forum (5500+ members). Please note that the list of antennas shows the common only. For projects we help you with specific or customized antennas. If you still miss a component or service, then give us a hint. We will listen to you and try to make your wish reality. Thank you in advance for any feedback.

[Module price list](#) • [Antenna price list](#) • [Antenna documentation](#) • [All tech. manuals](#) • [User forum](#)

| Images not in same scale | Wireless modules (all GSM are Quad band GPRS) | Remark |
|---|--|--|
|  | Quad Band GSM / GPRS modules | 22 x 22 x 3 mm only |
|  | Combined GSM / GPS modules | 30 x 30 x 3 mm only, Sirf3LP |
|  | Combined GSM modules with Python interpreter | 22 x 22 x 3 mm only |
|  | Combined GSM/GPS modules with Python interpreter | 30 x 30 x 3 mm only, Sirf3LP |
|  | 3G modules UMTS 2100 | Pin compatible to GSM and CDMA modules |
|  | 3G modules UMTS 900 | Already prepared for new UMTS 900 band |
|  | CDMA modules | Pin compatible to GSM and 3G modules |
|  | GPS modules | Sirf3LP |
|  | GPS modules with integrated antenna | 17x 17 x 4.8 mm only Sirf3LP |
|  | GSM modules with embedded Linux PC | Free of charge code of tracking and camera application |
|  | WIFI modules with integrated antenna | 38 x 25 x 4 mm only |
|  | WIFI modules with Basic interpreter | |
|  | WIFI modules | |
|  | Bluetooth module | |
|  | Bluetooth modules with integrated antenna | |
|  | ISM modules 433, 868, 915 MHz | |
|  | ISM modules 433, 868, 915 MHz with integrated antenna | |
|  | Wireless Mbus modules | |
| | <i>Development of hybrid systems on customer needs</i> | <i>Please ask</i> |

| Images not in same scale | Hybrid systems | Example for application |
|---|---|---|
|  | GSM PCBs with SIM card holder and coax connector with and without Python interpreter | Telemetry, burglar alarm, remote control |
|  | GSM PCBs with SIM card holder, coax connector and DC/DC power supply 6 to 40 Volt with support of C, Basic and Python | Telemetry, burglar alarm, remote control |
|  | GSM /GPS PCBs with SIM card holder and coax connector | Tracking |
|  | GSM /GPS PCBs with SIM card holder, coax connector and DC/DC power supply 6 to 40 Volt | Tracking |
|  | GSM /GPS PCBs with SIM card holder, coax connectors, SD card holder, 6 Uarts, 3 USB, Ethernet, I/Os, AD+DA converters and embedded Linux PC | Tracking, security, burglar alarm, wireless camera |
|  | GSM PCBs with SIM card holder, coax connectors, SD card holder, 6 Uarts, 3 USB, Ethernet, I/Os, AD+DA converters and embedded Linux PC | Telemetry, burglar alarm, remote control, wireless camera |
| | <i>Customization of hybrid system on customer needs</i> | <i>Please ask</i> |
| | | |
| | Terminals with RS232 or USB | |
|  | GSM, GPRS, UMTS/3G terminals with RS232 | External industrial wireless modems for M2M |
|  | GSM, GPRS, UMTS/3G terminals with USB | External industrial wireless modems for M2M |
| | <i>Other wireless terminals with RS485, CANbus ...</i> | <i>Please ask</i> |
| | | |
| | Starter kits and evolution boards | Remark |
|  | Modules with adapter PCBs, coax cables, antennas, batteries, SIM card holder, documentation and support | Always in stock, fast delivery worldwide |
|  | Hardware Python debugger | fast delivery worldwide |
|  | Battery monitor for battery stress tests | fast delivery worldwide |

| | | |
|---|---|---|
| | Antennas | Kind of mounting / Type |
|  | Quad band GSM + UMTS = Penta band (one port) | Roof, Window, Magnetic, Stationary |
|  | Quad band GSM + UMTS = Penta band plus GPS (two ports) | Roof, Window, Magnetic, |
|  | Quad band GSM + UMTS = Penta band plus GPS and WIFI (tree ports) | Roof, Window, Magnetic, |
|  | Quad band GSM + UMTS embedded chip antenna | Integrated, SMT mounted 24 x 5.5 x 4.4 mm only |
|  | Quad band GSM + UMTS PCB antenna with coax cable | Integrated , SMT mounted |
|  | Bluetooth / Wi-Fi embedded chip antenna on PCB | Integrated , SMT mounted |
|  | Bluetooth / Wi-Fi PCB antenna with coax cable | Integrated, connector mounted |
|  | ISM 433 / 868 / 915 embedded chip antenna on PCB | Integrated , SMT mounted |
|  | ISM 433 / 868 / 915 PCB antenna with coax cable | Integrated, connector mounted |
| | <i>Customization of antennas</i> | <i>Integrated and external</i> |
| Images not in same scale | Coaxial cables / Pigtail cables | Type |
|  | Coax to Coax in standard and customized length | FME, SMA, MMCX, UFL, GSC, or any other |
|  | Coax to stripped end in standard and customized length | FME, SMA, MMCX, UFL, GSC, or any other |
| | | |
| | Further accessories | |
|  | SIM card holder | |
| | LIPO /LiIon standard or customized | |
| | Board to board connectors for wireless modules | |
|  | CAN chip with J1939, Isobus/ISO 11783, ISO 11992, MiLCAN A, FMS, CiA 501/502, NMEA2000. | Reading of CANbus for any tracking device. |
| | | |
| | Basic Services | |
|  | World biggest wireless user forum , 5500+ members www.roundsolution.com/forum | Access for customers for free |
|  | GPS tracking test server www.track4free.com (Google Maps) | Access for customers for free |
|  | World first free of charge GPS tracking test server www.track4less.com (with sources for free maps) | Access for customers for free |
|  | World first free of charge telemetry test server www.gauge4free.com | Access for customers for free |

| | | |
|---|---|--|
|  | Demo source code in Basic, C and Python to support www.track4free.com , www.track4less.com and www.gauge4less.com | For customer free of charge |
|  | Renting of GSM testers and network analyzers for premium customers | For premium customers free of charge |
|  | Fixed IP address for cellular module (German customers only) | 30 days free of charge |
|  | International speeches on related to wireless applications like: " Antennas the key to your wireless application " | |
|  | Linux kernel and root file system binary image with instruction how to flash the image to target incl. file system binary image kernel source code plus config. file | For customer free of charge |
| Images not in same scale | Enhanced Services | |
|  | Customized plastic box in polyamide instead of reside for your device within 3 days (PDA, people tracker ...) | Estimated Euro 400 for something in size of mobile phone |
|  | Development of samples / prototypes | |
|  | Development of final products and mass production based on tiny micro controller up to embedded Linux | |
|  | Consulting and feasibility studies of new product ideas or customized antennas | |
|  | Design check and optimization of matching circuits for embedded antennas | |
|  | Development of customized antennas up to mass production | |
|  | Retail and renting of GSM testers including training | Free of charge for premium customers |
|  | Retail and renting of network analyzer | Free of charge for premium customers |
|  | Customization of Linux Kernel | |
|  | Source of the root file system | Free of charge by ordering one enhanced consulting ticket for embedded Linux |
|  | EU approvals on R&TTE Directive like EN 301 511, EN 300 220, EN 301 489-7, EN 301 489-3, EN 60950-1, EN 62311 | |
|  | US approvals like NAPRD, FCC, PTCRB, CTIA OTA Performance | |
|  | Approvals on automotive directive 2006/96/EC (e13) and accordingly ECE Reg. No.10R03(E13) | |