

RALIACOM B2 – Data sheet

| POWER SUPPLY | | |
|-----------------------|-----------------------------|---|
| Power supply | 8 ÷ 32 VDC | With ISO7637 pulses protection |
| Reset & Watch Dog | Dedicated hardware circuit | Complete power cycle |
| Low power mode | Programmable wake up events | |
| Backup battery | 850 mAh | With recharging circuit |
| External power supply | 5V | For option devices |
| GPS - GSM | | |
| GSM/GPRS radio | Quad Band Gemalto® BGS2-W | Optional EHS5 UMTS on request |
| GPS receiver | Ublox® MAX-7Q 56 Channels | GNSS: GPS and Glonass |
| SIM reader | SIM 1.8 e 3 V | |
| CPU - SOFTWARE | | |
| Cpu | Freescale® i.MX287 | 454MHz ARM926EJ-S core |
| Flash memory | NAND 256 MB | |
| Ram | DDR2 128 MB SDRAM | |
| Os | Embedded Linux | With U-boot |
| BSP e C Libraries | Raliacom | |
| JAVA VM and libraries | Raliacom (optional) | JAVA SE embedded 1.7.0 |
| Remote Update | OTAP | Kernel, GSM fw and user app |
| INPUT - OUTPUT | | |
| Key On/Off input | yes | |
| Digital input | 7 | With cable detachment detection |
| Analogue input | 2 | 0 ÷ 10V |
| Tachometer input | yes | Up to 10 KHz frequency |
| Internal measurements | 3 | Temperature, power supply and battery voltage |
| Digital output | 3 | Open Collector |



RALIACOM

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ACCELEROMETER

| | | |
|------------------|---------------------------------|--------------|
| 3D accelerometer | $\pm 2, \pm 4, \pm 8, \pm 16$ g | Programmable |
|------------------|---------------------------------|--------------|

INTERFACES

| | | |
|--------------------|----------|-----------------------------|
| RS232 serial ports | 2 | 3-line: rx, tx and ground |
| J1708 serial port | 1 | Order option for RS485 |
| Kline port | 1 | Standard ISO9141 e ISO14230 |
| USB | 1 | With USB to ETH driver |
| CAN bus | 2 | Up to 1 MBps |
| Audio interface | Analogue | GSM audio |
| MicroSD reader | Option | |

OTHER FEATURES

| | | |
|-----------------------|-------------------------------------|--------------------------|
| Case | Extruded ABS | |
| Connectors | Microfit [®] 5,16 e 20 vie | With retention clip |
| Antenna connectors | Fakra [®] | GSM and GPS colour coded |
| Operating temperature | -40 +85° C | (battery -20 +60°C) |
| Dimensions | 125 x 70 x 30 mm | |
| Weight | 250 g | |
| Certifications | CE and ECE R-116 | |



RALIACOM B2 with external cables