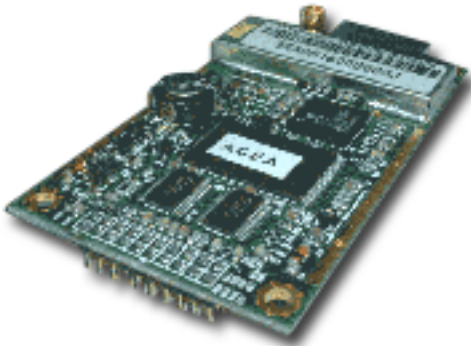


# REB-21R

GPS Engine Board (OEM)



## features

- SiRF 12 parallel channels solution
- NMEA-0183 compliant protocol
- Downward compatible to REB-12R without modifying your host system
- Auto recovery while RTC crashes
- Adopt TCXO as GPS core clock source
- Low Power chipset available if requested
- Industrial Standard
- Selectable baud rate
- Trickle Power supported
- WAAS/ENGOS available
- ARM 7 CPU core accessible

## specifications

### Application

- Automotive positioning and navigation
- Personal positioning and navigation
- Marine navigation

### Options

- Low power version / High sensitivity firmware
- **LXHA/LXHS:** LXHA
- **Power:** 3.3V / 5V
- **Trickle Power:** Disable
- **RF-Connector:** MCX straight-angle-up / MCX right-angle-up / SMA straight-angle-up / SMA right-angle-up / SMA female with 15cm cable / SMA female with 10cm cable / MCX right-angle-6mm-up
- **20pin I/O:** 6mm-down / 6mm-up / 8mm-down / 8mm-up
- **Backup Battery:** None / Super CAP / Li-Ion battery
- **Signal level of serial data I/O:** TTL
- **Ant. Power & Others:** Standard 3.3V / Standard 5V
- **Power Type:** Flash Memory + Lower Power
- **Software:** (Click for Software Interface)
  - RMC, 9600
  - GGA ,GLL, GSA, GSV, RMC, V0TG, 9600
  - GGA, GSA, GSV, RMC, 4800
  - [ GSV; Gevery 5 seconds]
  - [ GGA,GSA and RMC; Gevery second ]
  - GGA, GSA, RMC,4800
  - GGA, VTG, 4800
  - SIRF Binary ,19200
  - GGA,VTG,GLL, only, 9600
  - GGA, GSA, RMC,9600
  - RMC only , 4800
  - RMC only , 19200
  - GGA ,GLL, GSA, GSV, RMC, VTG, 4800
  - VTG,GLL, 4800 [every 2 seconds]

## Ordering Information

Part Number	Description
REB-21R	GPS Engine Board (OEM)
<b>Options</b>	
Micro Mouse	24 dB Gain Mobile GPS Antenna

this product is  
manufactured by:

**RoyalTek**

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