

# RS1010EB – Reconfigurable Transceiver Platform



## RS1010EB description

The RS9010EB is a navigation transmission platform based on the RS9010IC. It allows the simulation of multi-standard satellite signals at the frequency bands occupied by GPS, Galileo and Glonass navigation systems.

The RS9010EB allows the configuration and evaluation of the GNS transmitter platform for multiple applications as it integrated a SoC processor. In addition, a high resolution DAC and PLL synthesizer were included to facilitate the interface with the baseband and clock generation.

## RS1010 applications

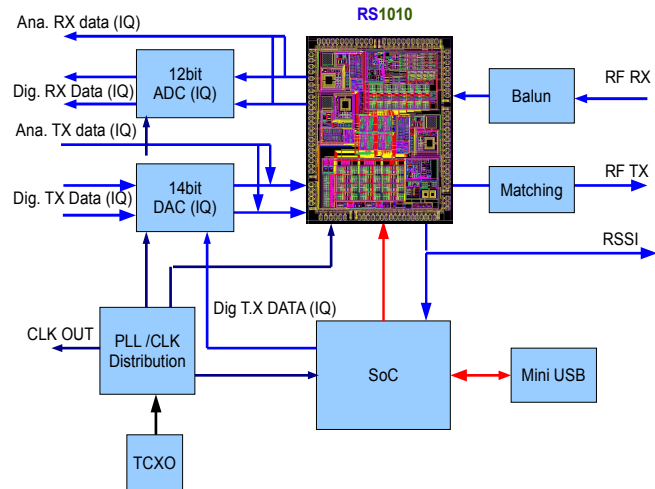
- Wireless systems
- Radar systems
- Point-to-Point communication
- Wireless repeaters

## RS1010 architecture

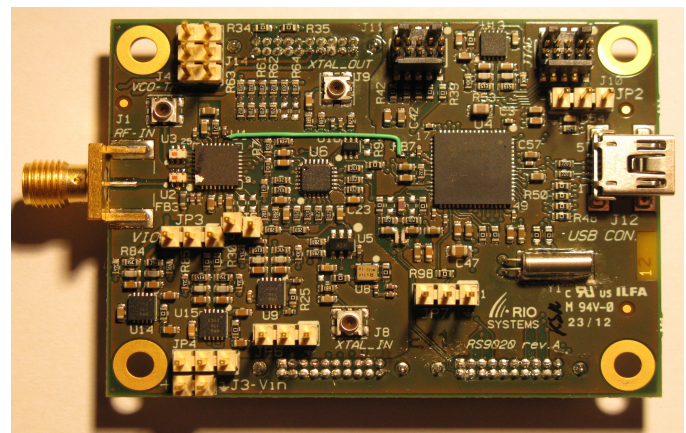
## RS1010EB features

- GPS, Galileo and Glonass navigation systems
- USB interface
- Programmable system on chip IC for application development
- Integrated filters. NO need for external image filters.
- Wide dynamic range
- Integrated 14-bit DAC and PLL synthesizer
- Internal 16.368MHz TCXO

## Platform overview



## Development board



## Contact

For more information, visit [www.rio-system.com](http://www.rio-system.com) or by e-mail at [info@rio-system.com](mailto:info@rio-system.com)  
RIO SYSTEMS LTD  
7 Gush Etzion St.  
Givat Shmuel, 54030  
Israel