

# RS9020EB – Reconfigurable Navigation Receiver Platform

## RS9020EB description

The RS9020EB is a navigation receiver platform based on the RS9020IC. It allows the reception of multi-standard satellite navigation systems at the frequency bands occupied by GPS, Galileo and Glonass navigation systems.

The RS9020EB allows the configuration and evaluation of the GNS receiver platform for multiple applications as it integrated a SoC processor. In addition, a high resolution ADC was included to support operation of the GNS receiver under jamming signals.

## RS9020 applications

- Navigation systems
- Wireless systems
- Phase arrays

## Frequency bands

System	Frequency (MHz)	Band
GPS	1176.45	L5
	1227.6	L2
	1575.42	L1
Galileo	1176.45	E5A
	1207.14	E5B
	1191.8	E5A and E5B
	1278.75	E6
	1575.42	E1
GLONASS	1602 (k=0)	L1
	1246 (k=0)	L2

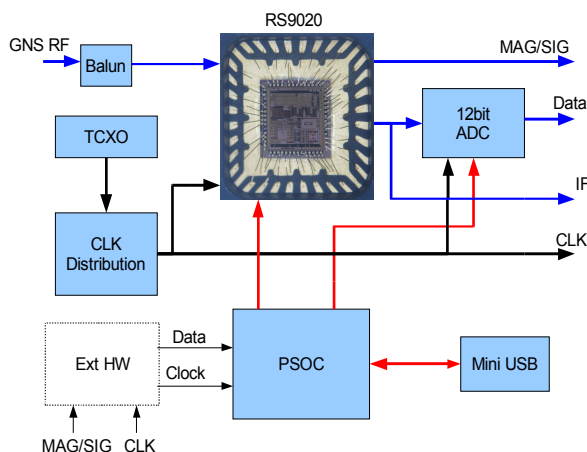
## Contact

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## RS9020EB features

- GPS, Galileo and Glonass navigation systems
- USB interface
- Programmable system on chip IC for application development
- Parallel and MAG/SIG interface to an external baseband processor
- 12-bit ADC for high dynamic range navigation systems
- Internal 16.368MHz TCXO

## Platform overview



## Development board

