Chip Evaluation Made Simple!

The SiRad Easy® r4 StarterKit is the simple way to explore radar. It provides all the radar hardware you need to experience the capabilities of our 120-GHz radar front end TRA_120_002. Comprehensive embedded software for radar signal processing and control of the StarterKit is included.

A supplied set of initial values in the software enables quick start-up and guarantees proper operation of the StarterKit. In addition, you can change many parameters via a versatile GUI on your computer. By use of a flexible protocol, the software enables easy integration into your test environment - TSV for Excel import and binary data output are also supported.

The best starting point for building your own radar sensor.

The front end board including the radar chip can be exchanged to test other Silicon Radar chips. For more information about compatible front end boards, visit www.siliconradar.com.

Features

- GUI for PC to display data
- On-the-fly setup of parameters
- Adjustable FMCW parameters
- Micro USB interface, serial port and trigger lines on header bar
- More ports / GPIO lines on optional breakout board
- Embedded radar signal processing
- Live raw ADC data, FFT data, Mag / Phase and Target List output
- Target recognition
- Compact size (40 x 40 mm²)

What’s in the SiRad Easy® r4 StarterKit?

- Reflector to narrow beam and extend range
- Radar front end board with TRA_120_002 @ 120 Ghz
- Base board with microcontroller
- USB cable
- Download link for software and documentation

Technical characteristics may be subject to change without any prior notice.
A Versatile Start To Radar!

The SiRad Easy® r4 EvalKit offers the optimal solution for evaluating our radar front ends. Its simplicity enables the setup of a radar system in the shortest possible time.

It provides a modular system of reference hardware including our radar front ends TRX_024_046 and TRA_120_002. This allows designs to be tested in the frequency ranges around 24 GHz and 120 GHz.

A comprehensive embedded software package is included for hardware control and radar signal processing on your computer. A flexible protocol enables easy integration into your test environment - TSV for Excel import and binary data output are supported. For easy connection you will find a convenient selection of physical interfaces on the included breakout board.

A highly versatile tool for designing and prototyping a wide range of radar sensors, ensuring the shortest time to market.

With the EvalKit, further optional front-end boards featuring different Silicon Radar chips can be used. More information on compatible front end boards can be found at www.siliconradar.com.

Features

- GUI for PC to display data
- On-the-fly setup of parameters
- Adjustable FMCW parameters
- Micro USB interface, serial port and trigger lines on header bar
- More ports / GPIO lines on breakout board
- Embedded radar signal processing
- Live raw ADC data, FFT data, Mag / Phase and Target List output
- Target recognition

What’s in the SiRad Easy® r4 EvalKit?

- Reflector to narrow beam and extend range @ 120 GHz
- Radar front end board with TRA_120_002 @ 120 GHz
- Radar front end board with TRX_024_046 @ 24 GHz
- Base board with microcontroller
- Breakout board
- USB cable
- Download link for software and documentation

Technical characteristics may be subject to change without any prior notice.