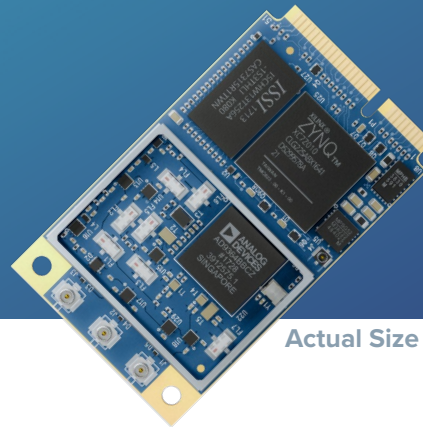


# Sidekiq™ Z2

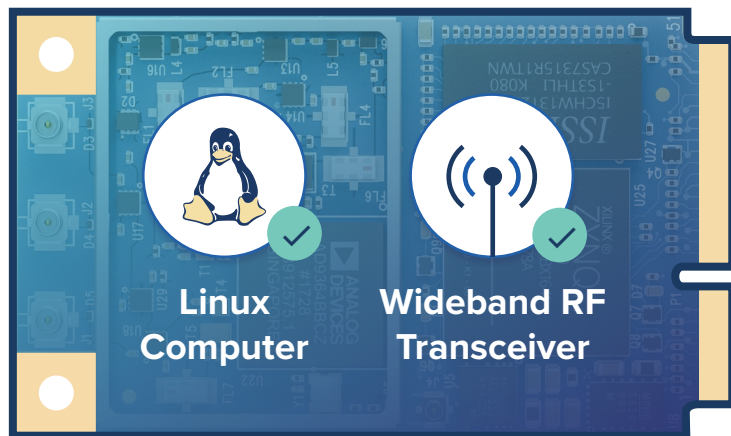
A wideband RF transceiver  
+ Linux computer in a tiny,  
production-ready module



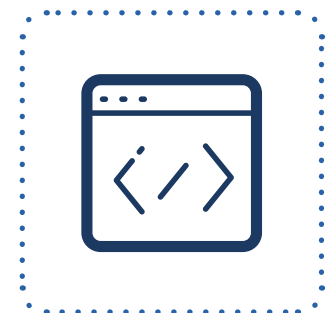
Actual Size

## Does Your Product Need RF?

Don't waste time integrating hardware, just bring your application



Sidekiq Z2



Your Application

**Target Applications** / endless use cases and environments to add flexible RF



**Cube-Sat** / Data Link

Use field proven hardware to meet mission critical requirements



**UAV** / Remote RF Sensor

Meet your challenging SWaP requirements for UAVs, remote sensors, or portable systems



**Embedded** / RF Test

Create portable and powerful RF analysis tools without reinventing the wheel

## Developer Focused / the evaluation kit (EVK) makes prototyping easy

**Open-source IIO reference design**  
supported by Analog Devices

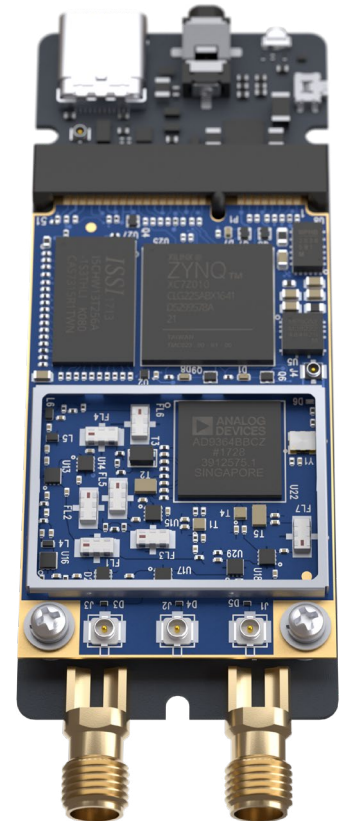
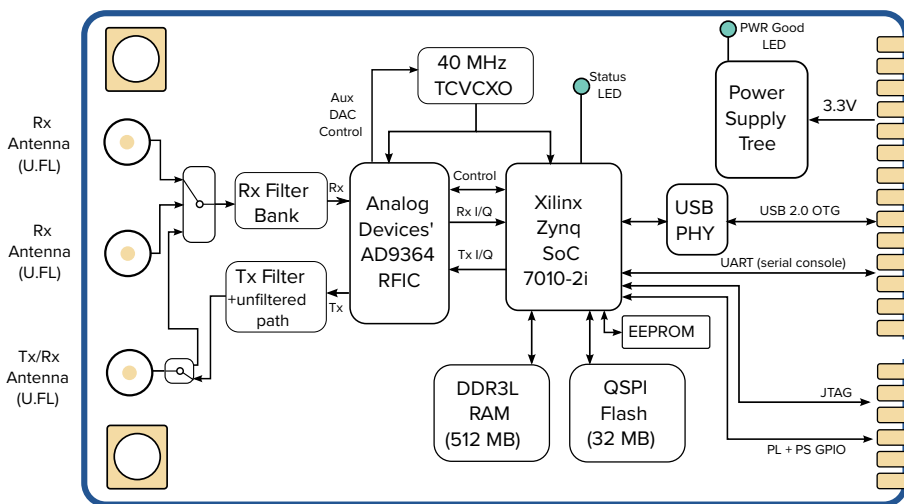
**Commercial Platform Development Kit**  
supported by Epiq Solutions (optional)

**Two Sidekiq Z2 cards**  
+ simple carrier cards

Radically simplify and shorten your RF product development cycle. Evaluation and development kit options let you focus on building your application rather than integrating hardware and optimizing RF

## Industrial Strength / scales to high volume production

A wide temperature rating, on-board RF filtering, excellent clock stability, and low power consumption allow for deployment in harsh environments



Sidekiq Z2 in simple carrier card

### Wideband RF Transceiver **Analog Devices' AD9364**

- > 1Rx + 1Tx RF Transceiver (70 MHz to 6 GHz RF tuning range)
- > Four band Rx pre-select filter bank
- > Up to 61.44 Msamples/sec sample rate
- > 40 MHz TCVCXO ref clock with +/- 1 PPM stability

### Linux Computer **Xilinx Zynq XC7Z010-2I**

- > Dual-core ARM Cortex A9 CPU running Linux
- > 512 MB of DDR3L RAM
- > 32 MB of QSPI flash memory
- > Linux boot time of <2 seconds

### Physical + I/O Specs

- > 30mm x 51mm x 5mm (full size MiniPCle)
- > Weight: 8 grams
- > Component temperature rating: -40\* deg C to +85 deg C
- > Typical power consumption under 2W

\*TCVCXO stability of +/- 1 PPM may be exceeded below -30 deg C