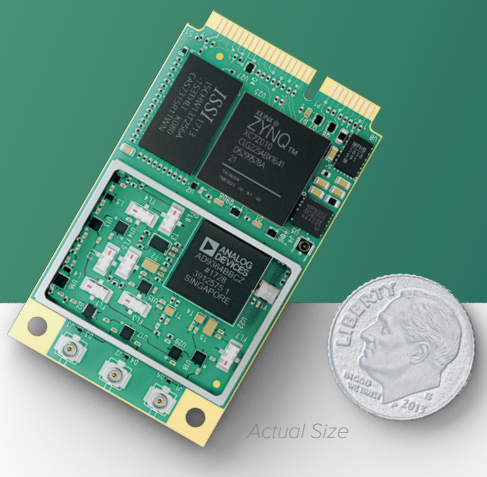
sidekiq™ Z2

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

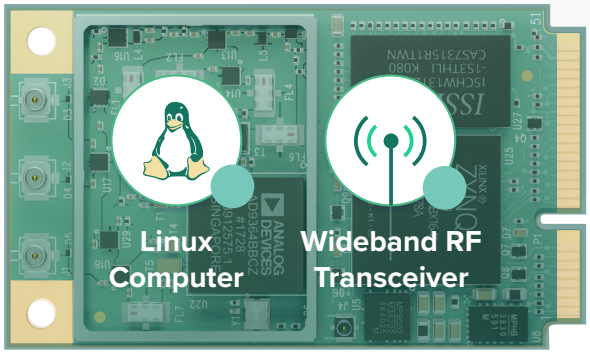
EPIQ SOLUTIONS



Actual Size

Radically Shorten Your RF Development

Just bring your application



Sidekiq Z2

Your Application

Sidekiq Z2 brings you a completely integrated wideband RF transceiver + Linux computer on a tiny module in a Mini PCIe form factor, making it easier than ever to add RF to your mission critical products.

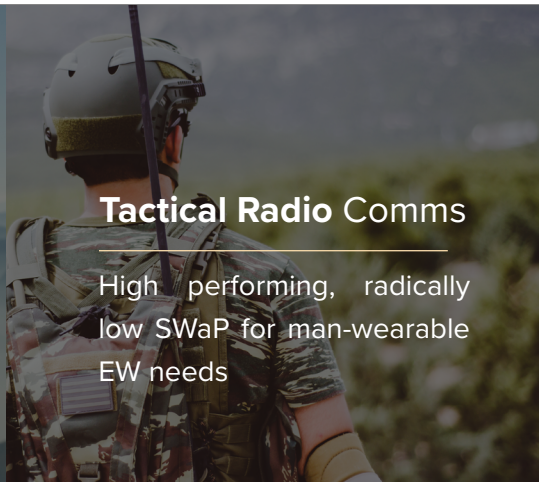
Target Applications / endless use cases for a production-ready RF module

EW Systems

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



Tactical Radio Comms

High performing, radically low SWaP for man-wearable EW needs

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

Open-source IIO reference design
supported by Analog Devices

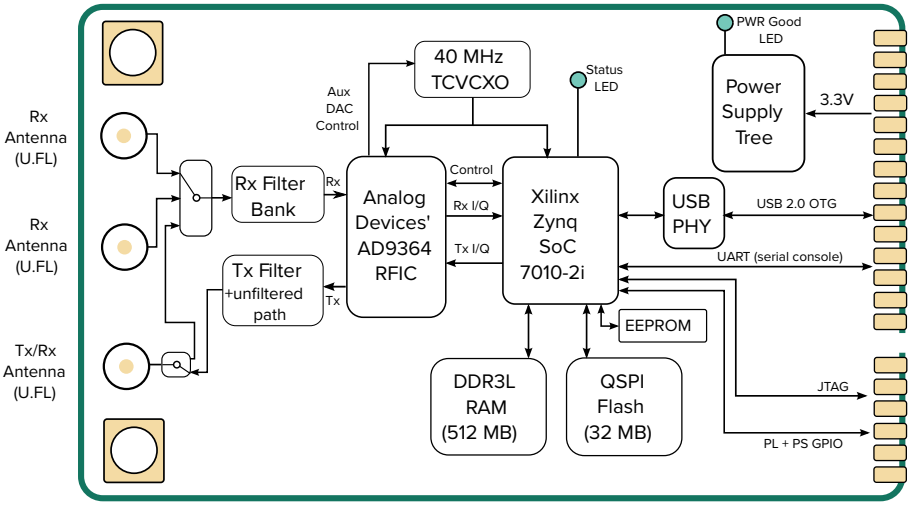
Commercial Platform Development Kit
supported by Epiq Solutions (optional)

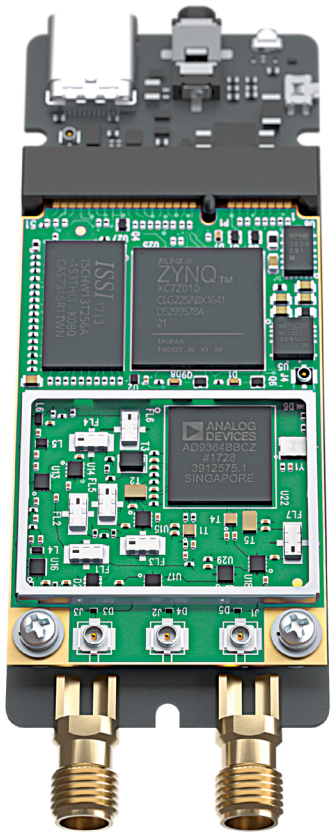
Two Sidekiq Z2 cards
+ simple carrier cards

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

128 MB of QSPI Flash memory

Linux boot time of <2 seconds

Physical + I/O Specs

30mm x 51mm x 5mm (full size MiniPCIe)

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

Epiq Solutions exports its products strictly in accordance with all US Export Control laws and regulations which shall apply to any purchase or order.

Specifications subject to change without notice.

Epiq Solutions is a small business dedicated to advancing RF technology through products designed and manufactured in the U.S.A.

EPIQ SOLUTIONS

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