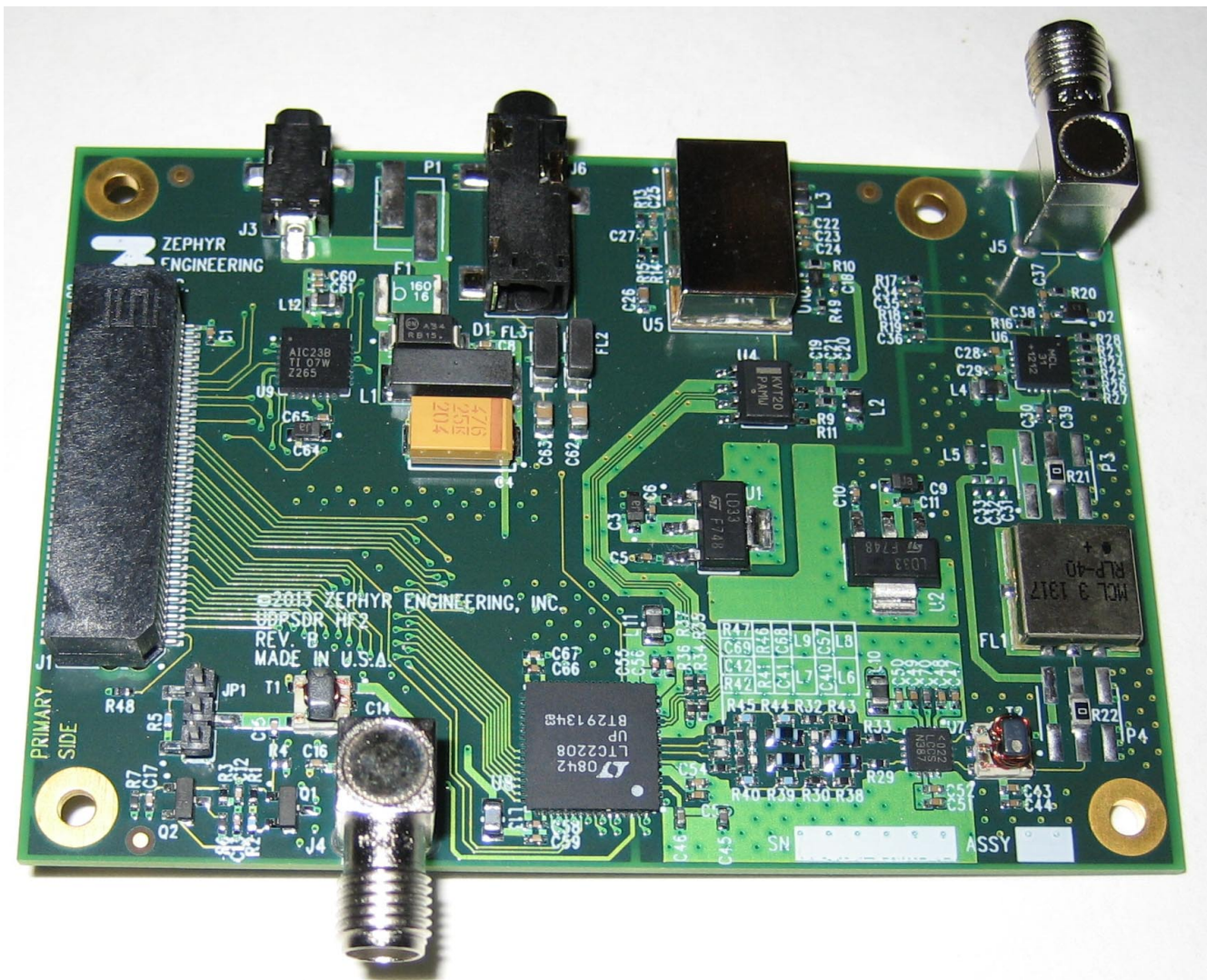


# SDRstick™



The UDPSDR-HF2 SDRstick™ from Zephyr Engineering, Inc

Zephyr Engineering, Inc announced a new series of Software Defined Radio hardware dubbed the SDRstick™

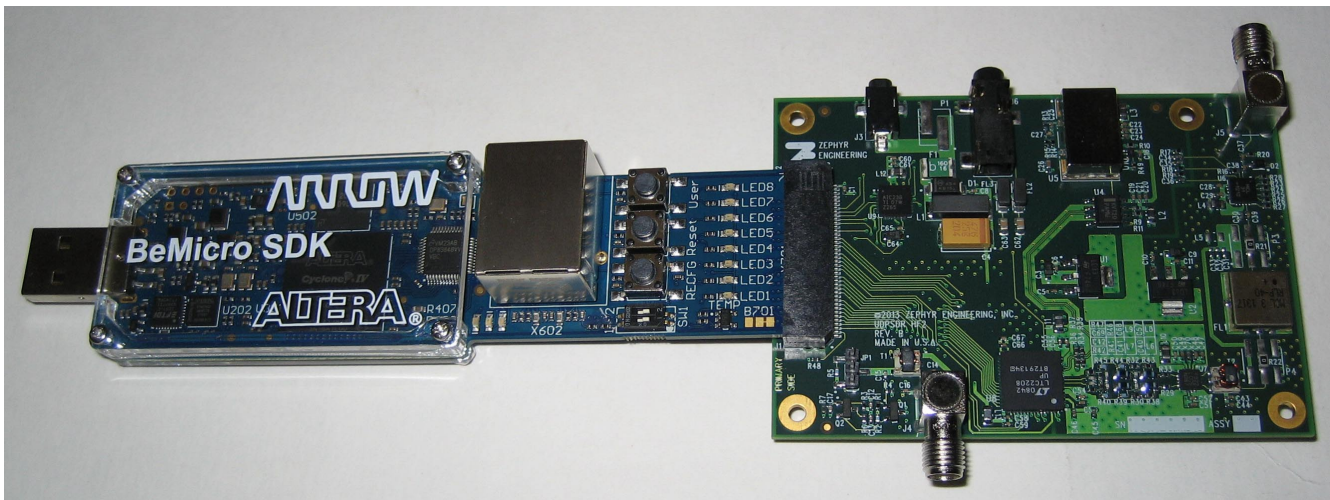
The first SDR in the SDRstick™ series, the UDPSDR-HF2 features a 16-bit ADC sampling at 122.88Mps. The HF2 is designed to be a front-end companion to the Altera BeMicro SDK from Arrow Electronics. Together, the HF2 and BeMicro SDK form a complete high-performance 100kHz – 55MHz Digital Down Conversion receiver.

## HF2 Features:

- LTC2208 16-bit, 122.88Msps ADC
- On-board 20dB LNA and LPF
- Step attenuator, 0-31dB in 1dB steps
- Extremely low phase-noise oscillator, -152dBc/Hz (@10kHz spacing)
- External GPSDO clock input for precise frequency control
- Audio CODEC directly drives headphones for receive audio output
- Power requirements: 5VDC@950mA (including BeMicroSDK)
- Hardware emulation of openHPSDR Mercury and Hermes (receive section only)
- Compatible with PowerSDR™, Kiss Konsole, HSDR, SDR# software
- GNU Radio source block available now
- Customization available to suit specific applications
- Price: US\$399

## BeMicro SDK added features:

- Altera Cyclone IV EP4CE22 FPGA for I/Q pre-processing
- 10M/100M Ethernet interface for streaming I/Q data via UDP
- 64Mbyte Mobile DDR SDRAM
- Embedded USB Byte Blaster for programming configuration flash
- Micro-SD card socket



**A complete SDR receiver: UDPSDR-HF2 SDRstick™ paired with BeMicro SDK**

SDRstick™ components are RoHS compliant and are available worldwide. Zephyr Engineering also offers complete custom PCB and FPGA IP integration solutions for Software Defined Radio applications. Please contact us with your requirements.

### Zephyr Contact (all regions)

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### UDPSDR-HF2 SDRstick™

<http://sdrstick.com/>

### SDRstick™ Yahoo Group

<http://groups.yahoo.com/group/sdrstick/>

### BeMicro SDK

<http://www.arrow.com/solutions/bemicro-sdk/>

### GNU Radio

<http://gnuradio.org/redmine/projects/gnuradio/wiki>

### Ordering Information

<http://components.arrow.com>  
<http://iQuadLabs.com>