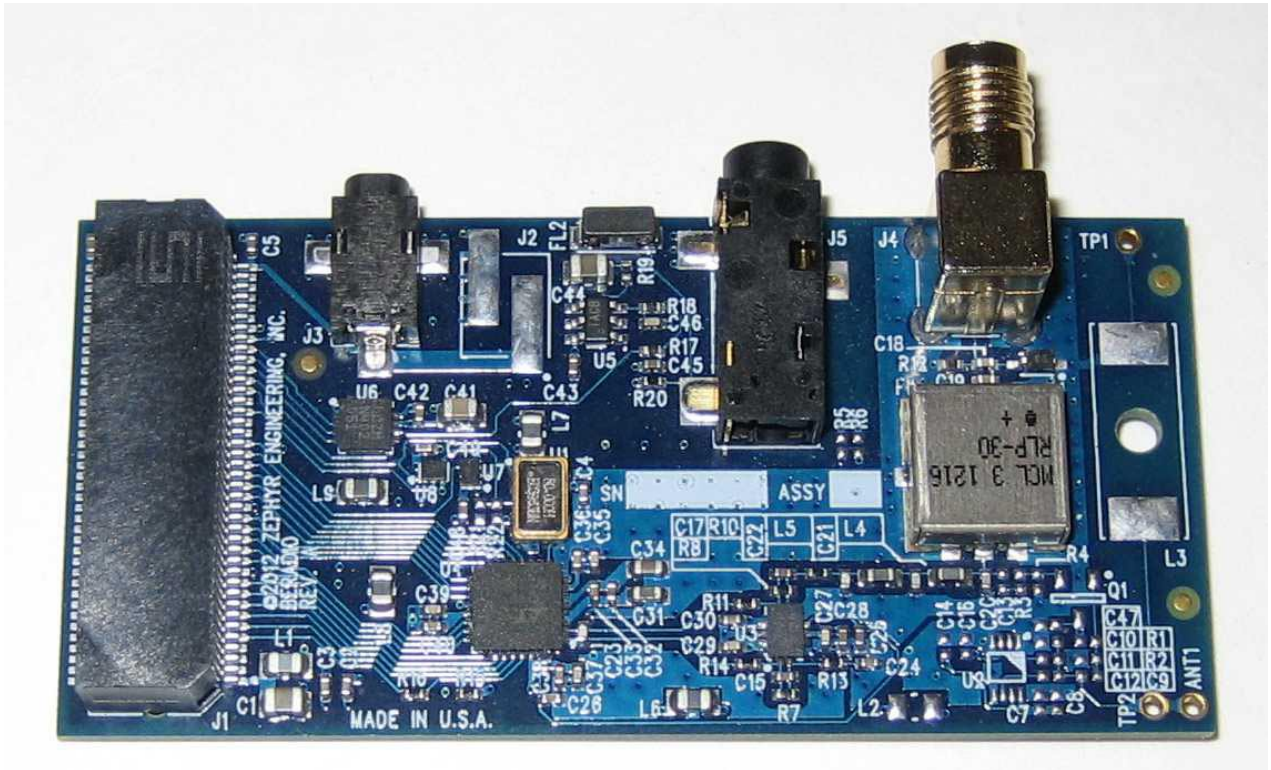


SDRstick™



The UDPSDR-HF1 SDRstick™ from Zephyr Engineering, Inc

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

The next SDR in the SDRstick™ series, the UDPSDR-HF1, features a 14-bit ADC sampling at 80Msps. The HF1 is designed to be a front-end companion to the Altera BeMicro SDK from Arrow Electronics. Together, the HF1 and BeMicro SDK form a complete high-performance 100kHz – 30MHz Digital Down Conversion receiver.

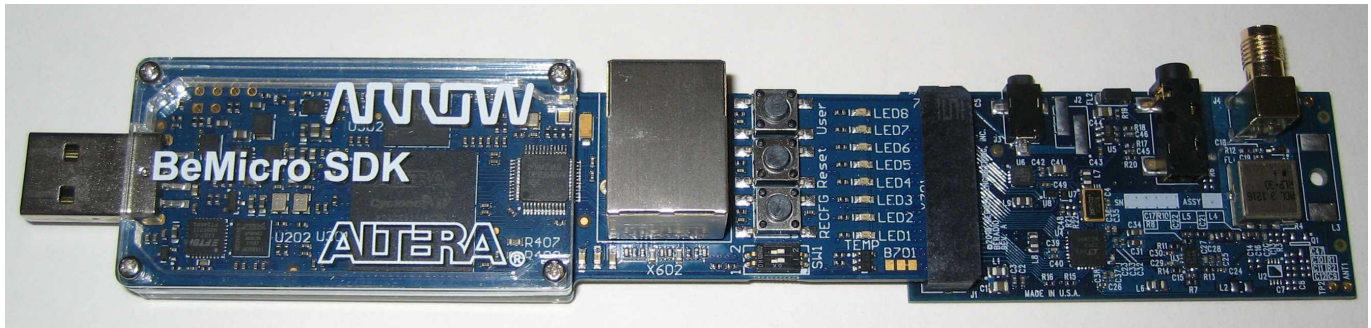
The UDPSDR-HF1 joins the high-performance UDPSDR-HF2 (16-bits@122.88Msps) receiver and the UDPSDR-TX2 transmitter (14-bits@210Msps) to round out the SDRstick™ family.

UDPSDR-HF1 Features:

- Linear Tech LTC2249 14-bit, 80Mpsps ADC
- On-board LTC6409 20dB LNA and LPF
- 30 MHz anti-aliasing filter
- 30 MHz LPF
- LTC2641 12-bit Audio DAC and headphone amplifier for receiver audio output
- Power requirements: USB powered (5VDC@400mA, including BeMicroSDK)
- Compatible with PowerSDR™, Kiss Konsole, HSDR, SDR# software
- GNU Radio source block available now
- Customization available to suit specific applications
- Price: US\$169

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-HF1 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-HF1 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>