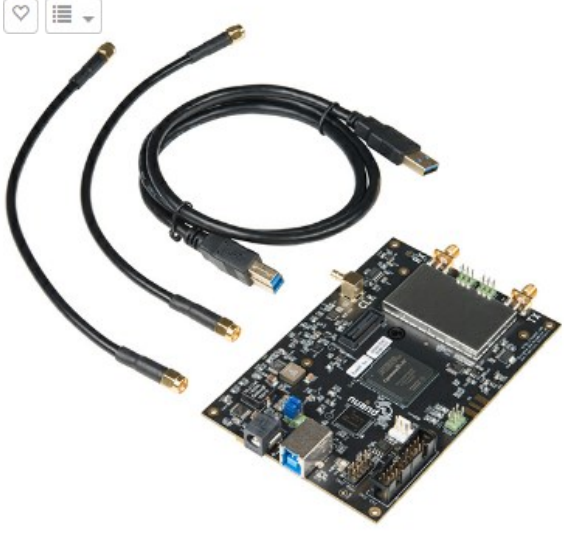





bladeRF x40

WRL-14041 ROHS

5

DESCRIPTION INCLUDES FEATURES DOCUMENTS

- Full-duplex 40MSPS 12-bit quadrature sampling
- Factory calibrated VCTCXO tuned within 1Hz of 38.4MHz
- Removable-cap RF shields for increased system sensitivity and isolation
- Flexible clocking architecture for arbitrary sample rates
- GPIO expansion port (GPIO Expansion Board)
- SPI flash allowing for headless operation
- Expanded frequency coverage using XB-200 Transverter Board
- Typical +6dBm TX power
- Fully bus-powered USB 3.0 Superspeed SDR
- 300MHz--3.8GHz RF frequency range
- Independent RX/TX 12-bit 40MSPS quadrature sampling
- Capable of achieving full-duplex 28MHz channels
- 16-bit DAC factory-calibrated 38.4MHz +/-1ppm VCTCXO
- Onboard 200MHz ARM9 with 512KB embedded SRAM (JTAG port available)
- Onboard 40KLE Altera Cyclone 4 E FPGA (JTAG port available)
- 2x2 MIMO configurable with SMB cable, expandable up to 4x4
- Stable Linux, Windows, Mac and GNURadio software support

Tags

BLADERF FPGA SDR WIRELESS

bladeRF x40 Product Help and Resources

VIDEOS SKILLS NEEDED

bladeRF x40
JANUARY 12, 2017

COMMENTS 11 REVIEWS 5

Customer Reviews

4.6 out of 5

Based on 5 ratings:

5 star 3
4 star 2

3 star		0
2 star		0
1 star		0

Currently viewing all customer reviews.

3 of **3** found this helpful:

★★★★★ A world of possibilites!

about 3 years ago by Member #12297 ✔ verified purchaser

I bought two of these...

The online information is a bit sparse and many people seem to be using this with gnuradio which seems to be more of a CB or walkie-talkie kind of thing. I'm interested more in digitial communication.

That's when I stumbled on the bladeRF-fsk example that is only on the github version of the software. It's a simple example that alllows for bidirectional transfer of files. The example builds from the FSK modulation code all the way up to the application layer demonstrating how easy and flexible the device is.

If your interested in digital communication, be sure to check out that example. Also, sparkfun has 2 version of the telescoping antenna. One for 75MHz to 1 GHz and one for 300 MHz to 1.1 GHz. I accidentally bought the lower frequency version which works, but the other version would have been better.

1 of **1** found this helpful:

★★★★★ Must have device!

about 2 years ago by Member #999172 ✔ verified purchaser

Every software/hardware engineer must have this device. You can listen and simulate bluetooth, gsm, wifi and other radio devices.

It's like Oscilloscope, but for Radio.

1 of **1** found this helpful:

★★★★★ A versatile device

about 2 years ago by Member #1317318 ✔ verified purchaser

So far so good testing this out for a few different projects I'm playing with. As a licensed ham radio operator, this area has always interested me. And this device is a perfect companion for voice/data transmission scenarios. Not to mention there are a fair amount of open source projects out there that interface with the bladeRF device.

Product arrived quickly and as expected. I'd recommend this product to others as well!

0 of **1** found this helpful:

★★★★☆ do not work with raspberry 3

about 3 years ago by Member #499168 ✔ verified purchaser

i can not get work like i read in the articles "https://blog.strcpy.info/2016/04/21/building-a-portable-gsm-bts-using-bladerf-raspberry-and-yatebts-the-definitive-guide/",and the sdrsharp with windows "BladeRF + SDR# on Windows 10"please help me to understand i am newbie on that device,thanks,sorry for my english,if youvae some info on spanish woulbe cool.

SparkFun Electronics ® / **6333 Dry Creek Parkway, Niwot, Colorado 80503**