

HW list

Device	Tx/Rx	Supported frequencies	Max. samp rate ADC/ DAC (rate, width)	clock stability/prec ision	Tx/Rx channels	Bus / Interface	Price
USRP B2x0	Tx and Rx with Full duplex	70 Mhz - 6 GHz	61.44 Msps, 12 bits	±2 ppm without GPSDO	- B200 : 1 Tx + 1 Rx - B210 : 2 Tx + 2 Rx	USB 3	~800€ min.
BladeRF 2.0	Tx and Rx with Full duplex	47MHz - 6GHz	61.44 Msps, 12 bits	±1 ppm	1 Tx + 1 Rx	USB 3	~480€
bladeRF	Tx and Rx with Full duplex	300 MHz – 3.8 GHz	40 Msps, 12 bits	±1 ppm	1 Tx + 1 Rx	USB 3	~400€ min.
LimeSDR	Tx and Rx with Full duplex	100 kHz-3.8 GHz	61.44 Msps, 12 bits	±2.5 ppm	2 Tx + 2 Rx	USB 3	~300€ min.
XTRX	Tx and Rx with Full duplex	30 MHz - 3.7 GHz	120 Msps SISO / 90 Msps MIMO, 12 bits	± 0.5 ppm without GPS / ± 0.01 ppm avec lock GPS	2 Tx + 2 Rx	PCIe x2	~260€ min.
RTL-SDR	Rx only	Different tuners: 52 - 2200MHz; 24 – 1766MHz; 22 - 1100MHz; 22 - 948.6MHz; 146 - 308Mhz and 438 -924 MHz	3.2 Msps, 8 bits	±25 ppm	1 Rx	USB 2	~15€ - 100€
SDRplay	Rx only	10kHz - 2 GHz	10.66 Msps, 12 bits	~0,5ppm	1 Rx	USB 2	150,00 €
HackRF	Tx and Rx Half-duplex	300 MHz - 3.8 GHz	20 Msps, 8 bits	20 ppm	1 Rx	USB 2	> 300€
ADAM-PLUTO SDR	Tx and Rx full duplex	325MHz – 3.8 GHz; 70MHz – 6.0 GHz conf.	61.44 Msps, 12 bits	±25 ppm	1 Tx + 1 Rx	USB 2	140€