

	HackRF One	Ettus B200	Ettus B210	BladeRF x40	RTL-SDR	LimeSDR	LimeSDR Mini
Frequency Range	1 MHz – 6 GHz	70 MHz – 6 GHz	70 MHz – 6 GHz	300 MHz – 3.8 GHz	22 MHz – 2.2 GHz	100 kHz – 3.8 GHz	10 MHz – 3.5 GHz
RF Bandwidth	20 MHz	61.44 MHz	61.44 MHz	40 MHz	3.2 MHz	61.44 MHz	30.72 MHz
Sample Depth	8 bit	12 bit	12 bit	12 bit	8 bit	12 bit	12 bit
Sample Rate	20 MSPS	61.44 MSPS	61.44 MSPS	40 MSPS	3.2 MSPS	61.44 MSPS	30.72MSPS
TX Channels	1	1	2	1	0	2	1
RX Channels	1	1	2	1	1	2	1
Duplex	Half	Full	Full	Full	N/A	Full	Full
Interface	USB 2.0	USB 3.0	USB 3.0	USB 3.0	USB 2.0	USB 3.0	USB 3.0
Programmable Logic Gates	64 macrocell CPLD	75k	100k	40k (115k avail)	N/A	40k	16K
Chipset	MAX5864, MAX2837, RFFC5072	AD9364	AD9361	LMS6002M	RTL2832U	LMS7002M	LMS7002M
Open Source	Full	Schematic, Firmware	Schematic, Firmware	Schematic, Firmware	No	Full	Full
Oscillator Precision	+/- 20 ppm	+/- 2 ppm	+/- 2 ppm	+/- 1 ppm	?	+/-1 ppm initial, +/-4 ppm stable	+/- 1 ppm initial, +/- 4 ppm stable
Transmit Power	-10 dBm+ (15 dBm @ 2.4 GHz)	10 dBm+	10 dBm+	6 dBm	N/A	max 10 dBm (depending on freq.)	max 10 dBm (depending on freq.)
Price	\$299	\$686	\$1,119	\$420 (\$650)	~\$10	\$299	\$99