

HackRF One

SKU 109990245



Description

HackRF One, from Great Scott Gadgets, is a Software Defined Radio (SDR) peripheral capable of transmission or reception of radio signals from 1 MHz to 6 GHz. It covers many licensed and unlicensed ham radio bands. It is designed to enable test and development of modern and next generation radio technologies. HackRF One is an open source hardware platform that can be used as a USB peripheral or programmed for stand-alone operation.

HackRF One works like a sound card of computer. It processes Digital Signals to Radio waveforms allowing integration of large-scale communication networks. It is designed to test, develop, improvise and modify the contemporary Radio Frequency systems.

HackRF One has an injection molded plastic enclosure and ships with a micro USB cable. An antenna is not included. ANT500 is recommended as a starter antenna for HackRF One.

HackRF One is test equipment for RF systems. It has not been tested for compliance with regulations governing transmission of radio signals. You are responsible for using your HackRF One legally.

Features

- 1 MHz to 6 GHz operating frequency
- half-duplex transceiver
- up to 20 million samples per second
- 8-bit quadrature samples (8-bit I and 8-bit Q)
- compatible with GNU Radio, SDR#, and more
- software-configurable RX and TX gain and baseband filter
- software-controlled antenna port power (50 mA at 3.3 V)
- Open source hardware
- SMA female antenna connector
- SMA female clock input and output for synchronization
- convenient buttons for programming
- internal pin headers for expansion
- Hi-Speed USB 2.0
- USB-powered

Part List

1 x HackRF One

1 x Micro USB Cable