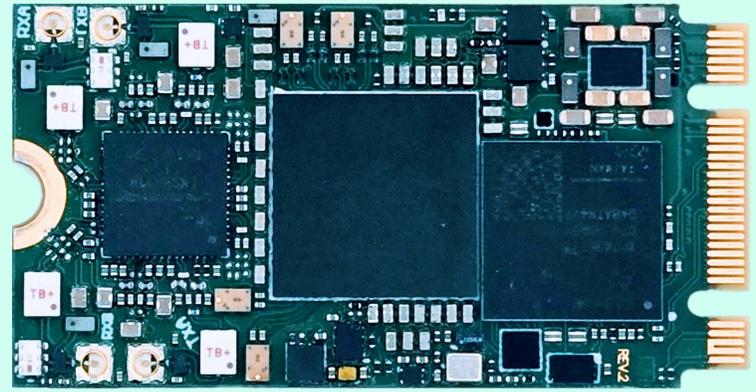


2 RX/TX channels M.2 single side components and extended frequency range SDR



The sSDR is a compact M.2 software-defined radio card with an expansive RF range from **30 MHz to 9.5 GHz**, covering **5G** (7.125), the latest WiFi, radio links, and many more. Paired with wsdr.io and various host devices, it enables the rapid development of custom RF solutions.

FPGA

AMD XILINX XC7A35T

HOST INTERFACE

M.2 2242 B+M key
(USB 2.0 & PCIe 2.0 x2)

EXTENDED POWER SUPPLY RANGE

2.85 - 5.5 V

EXTERNAL CLOCK SYNCHRONIZATION

Synchronize multiple boards for a multi-channel array.

POWER CONSUMPTION

1.9W Typical
3W Max

RF SPECIFICATION

RFIC

LMS7002M + LMS8001

FREQUENCY RANGE

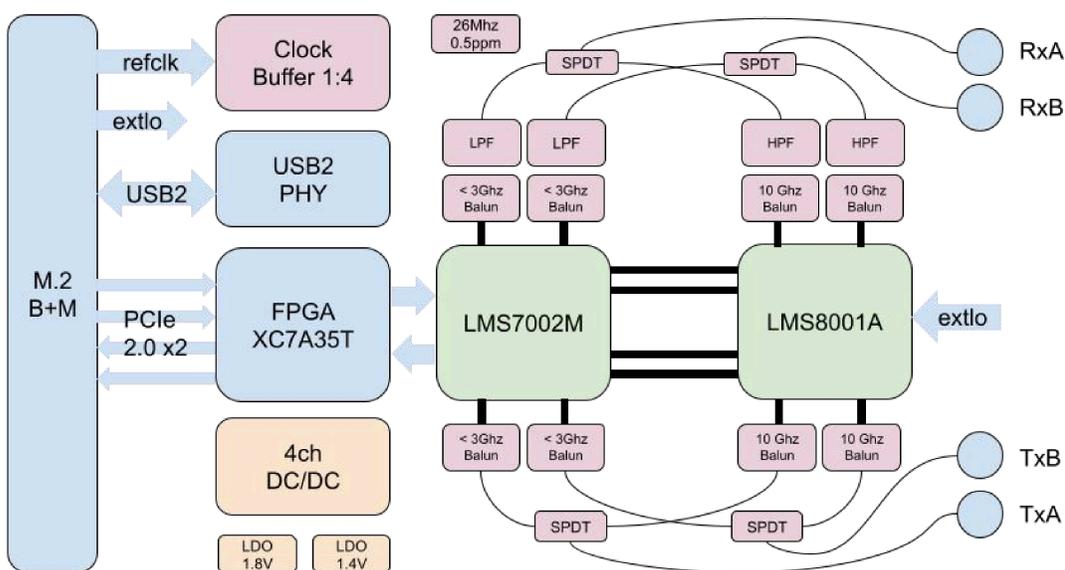
30 MHz to 9.5+ GHz

SAMPLE RATE

0.1MSps - 100 MSps

CHANNEL BANDWIDTH

0.5Mhz - 90 MHz



TARGET APPLICATIONS

CELLULAR COMMUNICATION

Establish dedicated wireless networks by implementing eNodeB, or gNodeB systems via open-source solutions like srsRAN or Amarisoft. Building a dedicated high-frequency radio link

EMBEDDED

Develop compact and high-performance frequency analysis devices

DATA LINK

Build a communication channel between points worldwide via a web platform

LEGACY SOFTWARE

GNU Radio, srsRAN, and many more through SoapySDR