SunSDR2 QRP

DUC/DDC HF/6M TRANSCEIVER

coming soon

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Software Defined Radio

The new SunSDR2 QRP transceiver will surprise you! This small SDR transceiver uses DUC/DDC technology to produce performance that will impress you immediately. Direct signal conversion provides clear RX audio and puts a clean signal on the air. If you want to explore the future of ham radio, the SunSDR2 QRP is the perfect way to get started with SDR, Software Defined Radio!

Modes	LSB/USB/DSB/CW/AM/SAM/NFM/WFM
General coverage receiver, MHz	0.09-65
Frequency coverage in TX mode, MHz	All HF amateur frequencies
Sensitivity, uV	0,1
Maximum transmitter's output power in HF, W	5
Blocking dynamic range in HF mode (BDR), dB	110
RF ADC clock frequency, MHz	125
RF ADC resolution, bit	14
Built-in audio codec resolution, bit	24
RF DAC clock frequency, MHz	125
RF DAC resolution, bit	14
Recommended power supply, V	12
Supply voltage range, V	12-15
Local oscillator's stability, ppm	+/- 0.5
Maximum consumption current, A	3
Operating temperature, °C	0 - +75
Dimensions, mm	65x100x35
Weight, kg	0.5

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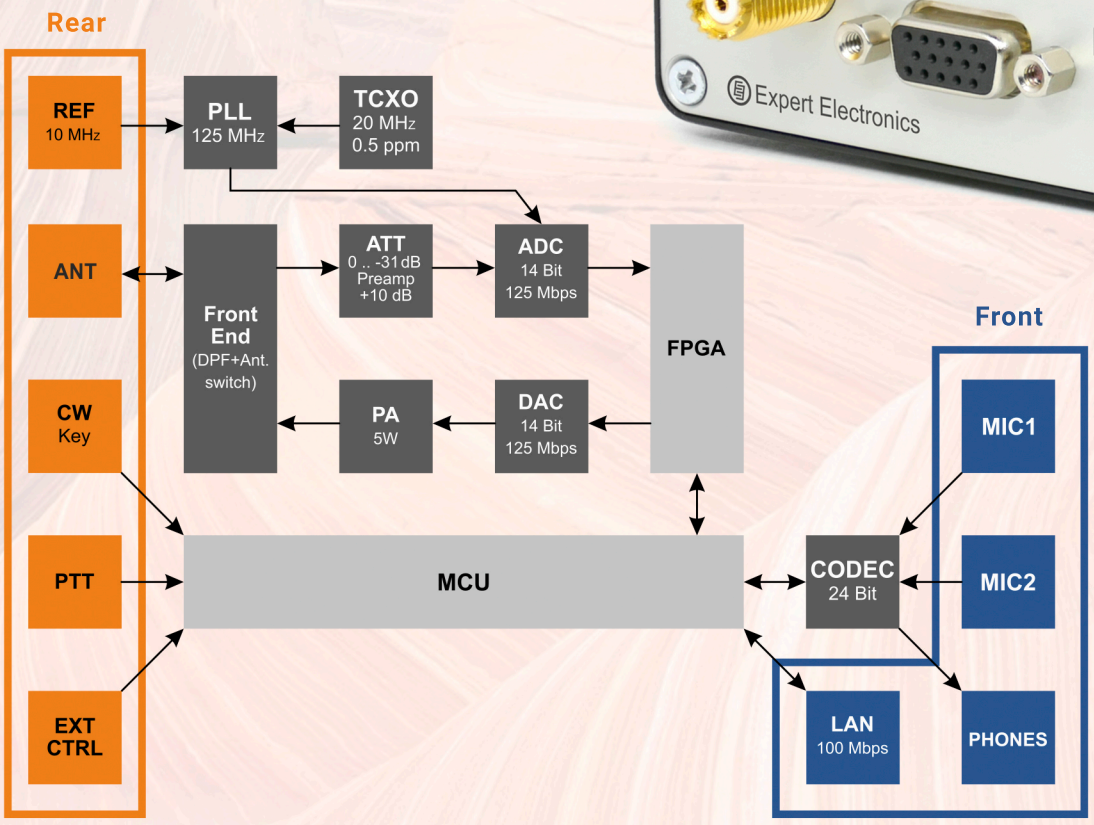
Features:

- DUC/DDC Architecture
- ADC 14 bit 125 MHz
- DAC 14 bit 125 MHz
- Maximum output power 5W
- Quick hardware formed CW
- Two independed receiver channels
- I/Q stream up to 312 kHz
- Reception from 9 kHz to 55MHz
- Oversampling reception up to 800 MHz
- Wide spectrum scope up to 60 MHz
- Bandpass filters in the receiver's front end
- Onboard high quality 24 bit audio codec
- LAN interface for connection to PC
- External devices control
- CAT and VAC interfaces for connection to third-party software like loggers and digital modes software
- Reception of Broadcasting FM stations
- Contest special functions
- Small size

PC system requirements:

- CPU Intel Core i3 1.6 GHz
- RAM 2 GB
- Ethernet adapter 10/100 BASE-T
- Video card, minimum resolution 1024x600, 128 MB, OpenGL 1.5 support and higher
- OS Windows XP or OS Windows 7 with the native drivers installed for all the devices
- CD-ROM for software installation

Block diagram



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