SunSDR2 PRO

DUC/DDC HF/6M/VHF TRANSCEIVER

More than a radio

WWW.EESDR.COM

Software Defined Radio

DUC/DDC HF/6M/VHF SDR Transceiver

SunSDR2 PRO

PHONES   MIC1   MIC2   PWR

Expert Electronics

The SunSDR2 PRO transceiver is designed for advanced use in HF and VHF bands. Even the most experienced operator will be surprised by its capabilities. The modern hardware in a small physical size makes this high performance SDR Transceiver the perfect base station while at the same time very portable for field operations. The SunSDR2 PRO is perfect for contesting! Its powerful and flexible software lets you create custom designed station setups for many different types of contest efforts.

General coverage receiver in HF, MHz..0.09-65
Frequency coverage in HF in TX mode, MHz...All amateur frequencies
General coverage receiver in VHF, MHz.....................................95-148
Frequency coverage in VHF in TX mode, MHz.........................144-146
Sensitivity, uV...0,07
Nominal transmitter's output power in HF, W...................................15
Nominal transmitter's output power in VHF, W.................................7
Blocking dynamic range in HF mode (BDR), dB................................129
Blocking dynamic range in VHF mode (BDR), dB.............................>114
RF ADC clock frequency, MHz...160
RF ADC resolution, bit...16

RF DAC clock frequency, MHz..............640
RF DAC resolution, bit...........................14
Recommended power supply, V.............15
Supply voltage range, V...................12-16
Local oscillator's stability, ppm.......+/- 0.5
Maximum consumption current, A..........5
Built-in audio codec resolution, bit........24
ALC input voltage range, V.................0-4
Operating temperature, ºC............0 - +75
Dimensions, mm...................165x165x35
Weight, kg...1,5

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Features:

- DUC/DDC Architecture
- Quick hardware formed CW
- Two independed receiver channels
- I/Q stream up to 312 kHz
- Reception from 9 kHz
- Bandpass filters in receiver front end
- LAN interface for connection to PC
- Optional WLAN interface
- External devices control
- CAT and VAC interfaces for connections 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

Software:

- All the main transceiver's capabilities are determined by ExpertSDR2 software which was developed by company Expert Electronics
- This software has friendly and flexible user interface
- ExpertSDR2 has a full set of functions and mode types of radio amateur transceiver
- ExpertSDR2 software and all updates are free
- The ExpertSDR2 software set of functons is constantly growing

Block diagram

Rear

Front

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