Ettus USRP B210: 2x2, 70MHz-6GHz SDR/Cognitive Radio

Currently out of stock. Estimated return is end of September 2022.

★★★★★ (No reviews yet) Write a Review

SKU: 471-043

USRP B210 Options: (Required)

- ○ USRP B210 (Board only)
- ◉ USRP B210 with Enclosure kit

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Description | Features | What's Included | Software | Support

Features	
RF Specifications	○ Xilinx Spartan-6 XC6SLX150 FPGA ○ Fully-coherent 2x2 MIMO capability ○ Channels: 2 TX & 2 RX, Half or Full Duplex ○ Frequency range: 70 MHz to 6 GHz ○ Instantaneous Bandwidth: ▪ Up to 56 MHz in 1x1 ▪ Up to 30.72 MHz in 2x2 ○ SSB/LO Suppression: .35/50 dBc ▪ 3.5 GHz deg RMS ▪ 6 GHz deg RMS ○ IIP3 (at typical NF): .20 dBm ○ Power Output: >10 dBm ○ Receive Noise Figure: <8 dB
Conversion Performance and Clocks	○ ADC Sample Rate (Max.): 61.44 MS/s ○ ADC Resolution: 12 bits ○ ADC Wideband SFDR: 78 dBc ○ DAC Sample Rate (Max.): 61.44 MS/s ○ DAC Resolution: 12 bits ○ Host Sample Rate (16b): 61.44 MS/s ○ Frequency Accuracy: ±2.0 ppm ○ W/ GPS Unlocked TCXO Reference: ±75 ppb ○ W/ GPS Locked TCXO Reference: <1 ppb
Power	○ DC Input: 6V (DC power supply included)
Physical	○ Grounded mounting holes ○ USB 3.0 SuperSpeed interface ○ Standard USB 3.0 connector ○ GPIO capability ○ Dimensions: 97 x 155 x 15 mm ○ Weight: 350 g
Environment	○ Operating Temp. Range: 0 - 45 °C ○ USRP Hardware Driver 3.9.2 (or later) ○ GNU Radio, C++ and Python APIs
Synchronization	○ 10 MHz clock reference ○ PPS time reference
Product Compliance	○ HTC: 8471809000 ○ ECCN: 3A992.a

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