

ISAAT Technologies

Information in space, amplitude and time



ISAAT Technologies Ltd is a CTVR spinout company founded in December 2011 to develop radio telecommunications products and to commercialise research carried out at NUIM for CTVR.

The basis technology for ISAAT's products was licensed from the Callan Institute of the National University of Ireland Maynooth, which had developed it as part of its research into SDR and tower top electronics.

ISAAT creates high quality radio products that enable new and better uses of the information in space, amplitude and time.

ISAAT also provides engineering services for the local electronics industry.

Products

ISAAT Technologies will offer a range of state-of-the-art radio boards and accessories for SDR platforms and other wireless systems. Our Radio boards will work with the popular Universal Software Radio Platform (USRP) from Ettus Research. They will cover a frequency range of 350MHz to 4000MHz with RF bandwidths up to 80MHz and zero or low IF base band interfaces.

We provide a low cost adapter board that will allow independent control of the radio boards via a PC USB connection.

If you are a manufacturer of SDR or other wireless systems then we can also customise our technology and products to work with your systems.

IT200

Radio transmitter board

Frequency range: 350-4000MHz

Baseband outputs: differential I and Q, zero or low IF

Bandwidth: 40MHz baseband I and Q, 80MHz RF.

IT300

Radio receiver board

Frequency range: 350-4000MHz

Baseband outputs: differential I and Q, zero or low IF

Bandwidth: 40MHz baseband I and Q, 80MHz RF.

IT400

Stand-alone mode adapter board for radio boards.

Interfaces: USB, baseband I and Q, reference clock and power

Labview control GUI available as an executable.

RF Accessories.

Amplifiers and filters to boost range and interference performance.



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