New SDR and Femto Solutions from Lyrtech

This eNews is to update customers with the latest Micro and Small Form Factor SDR solutions from Lyrtech.

Micro SDR420 FPGA-base Multimedia, Tunable RF SDR Solution

The µSDR420 is a customizable, embedded SDR solution that incorporates tremendous FPGA logic and memory, as well as a powerful multimode SDR single/dual channel RF transceiver module. The µSDR420 is capable of up-linking and down-linking data streams to a remote computer running on Linux or Windows through high-speed GigE interfaces.

Press Release ▶

More Information ▶

Radio420x Multimedia RF FMC Transceiver

The Radio420X FPGA mezzanine card (FMC) is a powerful multimode SDR RF transceiver module designed around the state-of-the-art, multistandard, multiband Lime Microsystems LMS6002D RF transceiver IC, which supports broadband coverage, as well as TDD and FDD full duplex modes of operation.

The product provides SISO, dual band and 2x2 MIMO RF Transceiver for RF frequencies between 300MHz and 3GHz with selectable bandwidths between 1.5 and 28MHz.

The Radio420X is also completely integrated to the Lyrtech µTCA Perseus AMCs, but it can as easily be used on any FMC carrier on the market. It is compatible with low-pincount (one RF transceiver) RADIO420S and high-pin-count (two RF transceivers) FMC interfaces RADIO420M.

More Information ▶

PICO SDR420 Small Form Factor Turnkey SDR Solution

The pSDR-420 is specifically designed for software radio applications. At the core of the product resides a poweful, yet energy efficient combination of embedded processors.

Processing is handle by a Xilinx Virtex-6 FPGA and a Texas Instruments Integra DSP with tunable 0.3-3.8GHz two channel transceiver, bandwidth 1.5-28MHz, dual SISO and 2x2 MIMO modes.

More Information ▶

GSM / EDGE SuperFemto

Lyrtech's GSM/EDGE SuperFemto delivers the output power and capacity of a picocell base station whilst converging towards the power consumption and cost of a femto-BTS.

The GSM/EDGE SuperFemto can be used as a complete, ready-for-deployment solution by mobile service operators. It can also be used as a customizable solution in applications where specific functionalities and interfaces are essential.

More Information ▶

Perseus 601X Virtex 6 AMC with FMC sites

The Perseus 601X Advanced Mezzanine Card (AMC) is intended for high-performance, high-bandwidth, low-latency processing applications. The card also takes full advantage of the Virtex-6 FPGA's power, which, when combined with Lyrtech' advanced software development tools, makes the Perseus 601X perfect for reducing size, complexity, risks and costs associated with leading-edge telecommunications, networking, industrial, defense and medical applications. On top this, the Perseus 601X FMC expansion site (VITA 57.1) offers almost endless I/O possibilities.

More Information ▶