



[DSP](#) | [FPGA](#) | [Audio](#) | [Video](#) | [Wireless](#) | [Vision](#) | [Data Collection](#) | [Broadcast](#) | [Video Security](#) | [Company](#)

## New announcements from Lyrtech, including Xilinx 6 product

See below for new hardware and software announcements including the brand new Perseus 601x, Xilinx 6 board.

- Perseus 601x Xilinx 6 Advanced Mezzanine Card (AMC)
- ADAC250 High Speed Dual ADC/DAC FMC Module
- Micro TCA Box/Rack for Perseus 601x
- New SFF SDR Spectrum Analysis Development Platform bundle
- FlexOFDM Demo for 2.5GHz MIMO WiMAX SFF SDR
- Mini-ADACSync
- Cognitive Low-Band SFF SDR support
- 1 to 4 GPIO-32 Adapter for multiple RF Transceivers with VHS-ADC/VHS-DACs
- New Software tools and management system for BSDK and MBDK

### Perseus 601x Xilinx 6 Advanced Mezzanine Card (AMC)

The Perseus 601x Advanced Mezzanine Card (AMC) from Lyrtech is designed around the powerful Xilinx-6 FPGA. It combines unsurpassed fabric flexibility, colossal external memory capacity and add-on, modular, high-pin-count, FMC based I/O cards.



[More Information](#)

[Press Release](#)

### ADAC250 High Speed Dual ADC/DAC FMC Module

The ADAC250 FPGA mezzanine card (FMC) is designed around the high-performance A/D and D/A conversion technology from Texas Instruments — it integrates one dual, 14-bit, 250 MSPS analog-to-digital converter (ADS62P59) and a dual, 16-bit, 1 GSPS digital-to-analog converter (DAC5682Z; also capable of a 2–4× interpolation mode). Combined with multiple clocks and synchronization modes, the ADAC250 is at its best in DSP applications such as Software Defined Radio (SDR), advanced telecommunications (MIMO systems, cognitive radios, beamformers, LTE, WiMAX), signal intelligence (SIGINT), radar, sonar, and medical imaging applications.



[More Information](#)

**Micro TCA Box/Rack for Perseus 601x**

Twin slot micro TCA rack to house up to two Perseus 601x AMC's with System Power Controller (SPC) wit GigE.

[Contact KCL ▶](#)**New SFF SDR Spectrum Analysis Development Platform bundle**

Low band and high band spectrum analysis bundle for SFF SDR development platform.

[Contact KCL ▶](#)**FlexOFDM Demo for 2.5GHz MIMO WiMAX SFF SDR**

A version of the current OFDM demo for MIMO ADSs (PHY layer) is currently being adapted to the MIMO WiMAX SFF SDR development platforms. The MBDK models will be part of ADP software rools release 4.1.0.

[Contact KCL ▶](#)**Mini-ADACSync**

The Mini-ADACSync is a small form factor, GPS-disciplined, precision, low-jitter reference clock generator featuring:

- Four output reference clocks (Ref CLK Out, CLK0, CLK1, CLK2 (derived from the reference clock))
- The possibility of an external or onboard reference clock (Ref CLK)
- A high-precision GPS reference clock mode for GPS-disciplined reference clock applications

The Mini-ADACSync is designed specifically for Lyrtech's Small Form Factor Software Defined Radio (SFF-SDR) development platforms. It is capable of synchronizing the RF, data conversion, and baseband processing sections of SFF SDR development platforms with a common GPS-disciplined, low-jitter clock reference.

[More Information ▶](#)**Cognitive Low-Band SFF SDR support**

Software support for a second low-band RF module (RX mode only) on SFF SDR development platforms - useful for such applications as cognitive radio, when one channel inspects spectrum traffic while the other transceiver is used for real-time data communication.

[Contact KCL ▶](#)**1 to 4 GPIO-32 Adapter for multiple RF Transceivers with VHS-ADC/VHS-DACs**

VHS-ADC and VHS-DAC support for up to four Twin Tunable RF Transceivers or Twin WiMAX RF Transceivers (made possible through the new 1-to-4 GPIO-32 adapter).

[More Information](#)

### New Software tools and management system for BSDK and MBDK

Version 4.1.0. was released on the 15th February including support for Mini-ADACSync, cognitive low-band SFF SDR support and 1-to-4 GPIO-32 adapter. This includes a new licence management system that links MBDKs to one functional workstation, with discounts for additional workstations, and will require users to have an up-to-date software service licence.

Version 5.0.0. available in mid-Q2 will support BSDK for Perseus 601x and ADAC250 with full BSDK and MBDK support end of Q2.

[Contact KCL](#)

---

This eNews is published by Kane Computing Ltd, distributors of DSP/FPGA, Broadcast, Image Processing, Machine Vision, Audio/Video Compression and Telecommunications Solutions.

Kane Computing Ltd respects your online time and privacy. We only send this eNews to our customers and people who have signed up to receive it, however, if you would prefer not to receive future issues of eNews, you may unsubscribe by sending an email to [unsubscribe@kanecomputing.com](mailto:unsubscribe@kanecomputing.com), placing unsubscribe in the 'Subject' line.

If you have received this eNews forwarded from a colleague or friend, you may subscribe yourself by emailing [sales@kanecomputing.com](mailto:sales@kanecomputing.com) and placing 'Subscribe - DSP' in the 'Subject' line.

Copyright: Kane Computing Ltd 2010

---