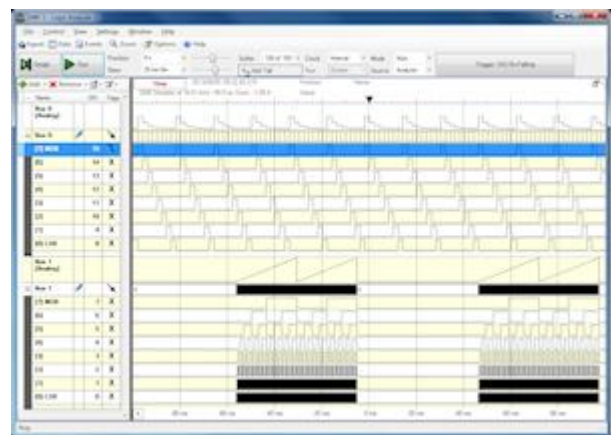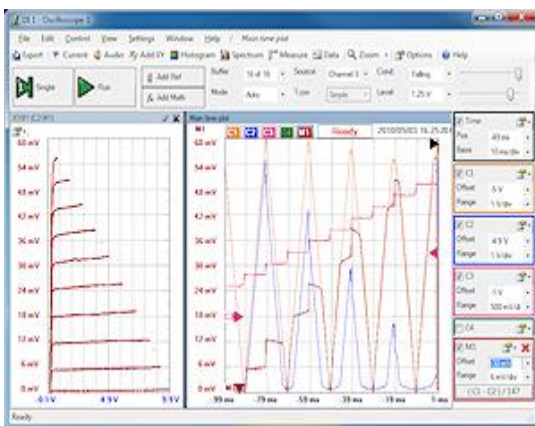WaveForms is a powerful suite of virtual instruments that brings analog and digital circuit design to your PC desktop. WaveForms seamlessly connects to our Analog Design products, such as the Electronics Explorer™ board and the Analog Discovery™ Kit. WaveForms provides a clean, easy to use graphical interface for each instrument, making it easy to acquire, store, analyze, produce, and reuse analog and digital signals

Oscilloscope

Powerful triggering options, AC/DC coupling, real-time FFT and XY functions data display (FFT, XY, Zoom and others), data export in multiple formats

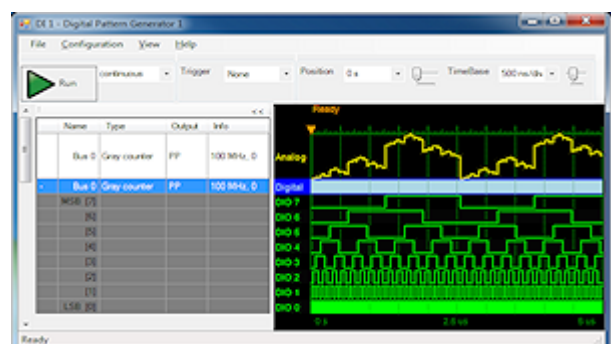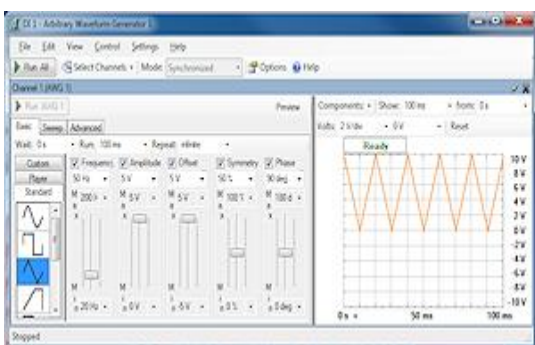**Electronics Explorer:** 4 channels, 40MSps, 10-bit converter
Analog Discovery: 2 differential channels, 100MSps, 14-bit converter

Logic Analyzer

100MSps, up to 16KSa/pin buffer depth, internal/external clock and trigger, multiple visualization options of all signals, data export in multiple formats

Electronics Explorer: 32 channels
Analog Discovery: 16 channels

Arbitrary Waveform Generator

Standard, complex(damped and swept, AM/FM modulated) & user-defined waveforms

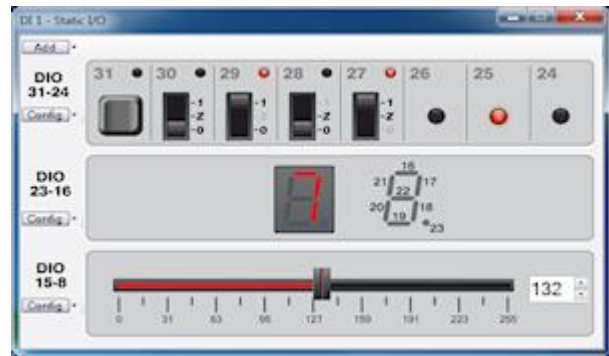**Electronics Explorer:** 40MSps, 10-bit converter, 4MHz bandwidth
Analog Discovery: MSps, 14-converter, 5MHz bandwidth

Digital Pattern Generator

100MSps, up to 16KSa/pin buffer depth. Digital channels shared with logic analyzer, standard (clock, counters, constant, random, walking values) and custom patterns

Electronics Explorer: 32 channels
Analog Discovery: 16 channels

www.electrokit.com

Power Supplies & Voltmeters

Electronics Explorer: Programmable, high power supplies with independent voltage and current limit settings of up to 1.5A, configured as simple, low frequency signal generators, one fixed 5V/3.3V, 4 channels voltmeter, two +/-10V reference voltages. Programmable V+ and V- up to +/-9V and 1.5A; fixed 3.3V/5V up to 1.5A
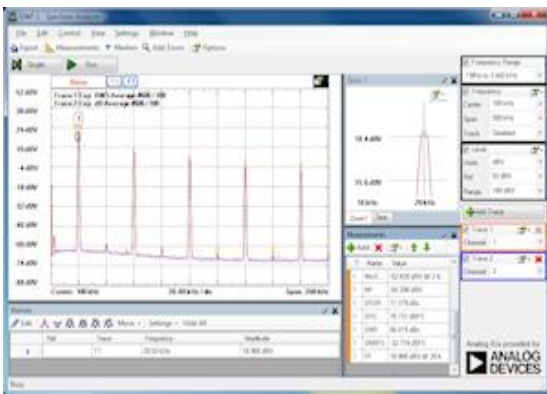
Analog Discovery: 2 fixed power supplies. +5V up to 50mA and -5V up to 50mA (100mA total)

Static I/O

PC-based virtual I/O devices including push buttons, LEDs, switches, seven segment displays, sliders and progress bars

Electronics Explorer: 32 channels
Analog Discovery: 16 channels

Spectrum Analyzer

Analog-In channels shared with Oscilloscope. Supports FFT and CZT algorithms. Supports averaging, measurements (harmonics, aliased harmoncs, excursion), and data export.

Electronics Explorer: 4 channels, 40MSps, 10-bit converter
Analog Discovery: 2 channels, 100MSps, 14-converter

For Linux Developers: WaveForms SDK

The WaveForms SDK exposes a public application programming interface (API) that gives you the ability to create custom applications. This is an SDK, not a Linux port of the WaveForms application. These releases are available as tar.gz archives as well as Debian software packages (for simple, 1-click installing), both for I386 and AMD64-based systems.