DSP eNews from Kane Computing Ltd

XDS560v2 'Traveler' JTAG Emulator

The Traveler is a USB bus powered JTAG Emulator that has the same emulation performance, system trace support and device support as the XDS560v2 STM but at a lower price.

View the Product Announcement.

More Information ▶

Texas Instruments DM8168 and DM8148 Digital Media Processors

These digital media processors provide the industries highest performance video engines for multi-user HD conferencing and many other HD video applications.

Integrated chip with ARM ® and DSP cores and video and graphics accelerators process three 1080p60fps streams simultaneously to enable new applications and intuitive user interfaces.

The high-performance DM8168 DaVinci digital media processor offers three times the video streaming capability over competing solutions with up to three simultaneous 1080p60 frames per second (fps) video streams, 12 simultaneous 720p30 fps video streams or a combination of lower resolution streams.

The lower-power DM8148 DaVinci digital media processor offers a single, high-performance, 1080p60 fps video stream,

three simultaneous 720p30 fps video streams or multiple lower resolution streams at 3 watts. It also includes cutting-edge display and analytics capabilities, similar to the DM8168 DaVinci digital media processor, and it's perfect for power-sensitive, consumer and medical video applications requiring fewer video streams.

Kane Computing, in co-operation with Z3, now offer a wide range of development systems and OEM modules based on these processors.

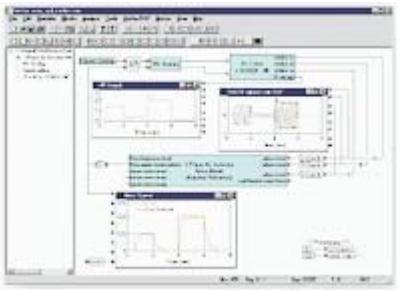
View TI's Product Preview

View TI's Presentation

More Information ▶

VisSim/ECD V8 Simulation and Modelling Solution

VisSim/Embedded Controls Developer (VisSim/ECD) uses all the power and versatility of the new version of VisSim to develop embedded control systems based on TI processors. Supporting a wide range of DSPs including TI MSP430 (all flavours), C2000 (all flavours) including F2808 and variations, F28027, F28035 (Piccolo), F28335(Delfino), LF2407, F2812, C5510 and C6713 as well as Intel x86 PC, VisSim/ECD uses the block-diagram approach to make it simple and quick to create a working model of your control system. Prototype, optimise and debug it, and when you're happy with its performance, just press the Compile button to generate highly efficient C-code.



This latest version introduces VisSim/State Charts (available separately or in a bundle with VisSim 8), a new UML graphical state chart editor that lets you to create, edit, simulate and generate embedded C-code for state charts within the standard VisSim environment. VisSim's gauges, which are real-time and can be connected to rapidly changing data sources, have been much enhanced in version 8 and are far more customisable. Data set handling is also much enhanced in this new version.

More Information ▶

DVPB-HD Development Platform based on the TI DM6467

DVPB-HD is a rapid development platform based on Texas Instruments' DM6467 DaVinci™ Technology. The board/platform features all commonly required peripheral interfaces like Video & Audio I/O, GbE, RS-232, RS-485, USB2.0, VLYNQ, HDD, RTC, UART/IrDA, PCI, SPI and GPIO. DVPB-HD enables developers jump-start their application development and is ideal for rapid prototyping end-product.

DVPB-HD is bundled with a software package consisting BSP, SDK Framework and demo application enabling systems and application engineers to develop their applications quickly. The platform is software-compatible with the TI's TMDXEVM6467, thus allowing easy port of applications from the TI's EVM to DVPB-HD.

More Information ▶

Audio Denoiser DSP Development Kit for real-time Noise Filtering and Speech Enhancement

The Denoise DSP Development Kit offers OEMs a real-time noise filtering and speech enhancement solution to integrate into their own products.

The development kit includes denoiser DSP board and interface board, PC interface board and denoiser DSP DSK and noisy sound example.

The product offers real-time enhancement of analogue audio signals by decreasing overall noise level quality increasing speech signal intelligibility.

Effectively decreases broadband (industrial, street etc.) and harmonic noises and interferences. Adaptive noise filtering algorithms keep speech signal clear and undistorted. Removes noises from: Air conditioning, PC and office equipment, Vacuum Cleaners, Radio Channels. Signal bandwidth adjustable and adjustable AGC (Automatic Gain Control).

As well as offering the development kit we sell the DSP module with software and the connection board for production needs and also a boxed version.

More Information