Gavazzi Computing Releases New Switch Fabric Platform

System architects at Carlo Gavazzi Computing Solutions have developed the new FabricPac Series 5359 CompactPCI 2.16-compliant switch fabric platform. The new FabricPac is both RoHS Level 5- and NEBS Level 3-compliant and contains two redundant Intelligent Platform Management Interface system-management cards that support either single or dual system-manager operation. The IPMI system managers are integrated into the chassis electronics to provide a fully managed environment.

Designed for telecommunications, development, testing, military, measurement, and embedded applications, the FabricPac 5359 offers dual, 600- or 400-watt, AC- or DC-input power supplies.

For complete product details, visit www.gavazzi-computing.com.

Corelis Launches ScanExpress JET Debugger

Corelis, a builder of high-performance boundary scan and IEEE Joint Test Action Group Standard 1149.1-compliant emulation debug tools for microprocessors, recently announced the ScanExpress JTAG Emulation Test (JET) test tool, which combines boundary-scan and functional test technologies. The JET software combines common-pin and net-level diagnostics using boundary scan testing with CPU emulation testing through a JTAG port.

Corelis claims that ScanExpress JET can test the onboard memory via a proprietary technique at speed before loading any code into it.

ScanExpress JET integrates with existing Corelis hardware, including ScanExpressTPG and ScanExpress Runner.

To learn more about Corelis products, including ScanExpress JET, visit www.corelis.com.

Ch 5.5 Runs in FreeBSD, HP-UX, Linux, Mac OS X, QNX, Solaris, and Windows

SoftIntegration has released two updated versions of its Ch C/C++ interpreter. Ch 5.5 and Embedded Ch 5.5 support cross-platform scripting, shell programming, numerical computing, 2D/3D plotting, and embedded scripting.

SoftIntegration touts Ch 5.5 and Embedded Ch 5.5 as its most stable releases to date. The new releases add Embedded Ch function callback features, more C99 features, and several new plotting capabilities. Ch Professional Edition supports smooth-surface meshes for 3D plotting. The view angle of 3D plots can be changed, while a mouse can track coordinates on 2D plots.

The new version of Ch also supports several in-house and third-party software applications, including the Ch CGI toolkit, Ch Control toolkit, Ch Mechanism toolkit, Ch NAG Statistics package, Ch ODBC toolkit, Ch XML toolkit, ChExcel for manipulating Microsoft Excel in C/C++ scripts, ImageMagick for image processing, Intel OpenCV for computer vision, National Instruments’ data-acquisition toolkit NI-DAQ, and motion-control toolkit NI-Motion.

For full product details, visit www.softintegration.com.

PlanAhead 9.1 Streamlines FPGA Design

Xilinx’s latest release of its PlanAhead hierarchical design and analysis software supports 65-nm Virtex-5 and Spartan-3 devices, and it now offers PinAhead technology to streamline field-programmable gate array design flow.

PinAhead lets users automatically or semiautomatically assign I/O ports to physical package pins and provides a simplified method for controlling constraints. Designers can now clear placement constraints assigned by Xilinx Integrated Software Environment design tools without affecting remaining user constraints.

In addition to supporting Virtex-5 LX, LXT, and SX devices, PlanAhead 9.1 software extends device support to Xilinx’s low-cost, high-volume Spartan-3 generation FPGAs, including the recently introduced I/O-optimized Spartan-3A and nonvolatile Spartan-3AN platforms.

To learn more about Xilinx and PlanAhead 9.1, visit www.xilinx.com.

New PNY Graphics Cards Support HDCP

PNY Technologies recently introduced three new Verto graphics cards based on the Nvidia GeForce 8 series of graphics processing units. The new cards were built for Microsoft Windows Vista Premium and support Microsoft DirectX 9 and DirectX 10 for current and next-generation PC gaming. Each model supports high-definition content such as Blu-ray Disc and HD-DVD movies.

The Verto 8600 GTS 256MB card features 256 Mbytes of high-speed GDDR3 frame buffer memory and a 675-MHz core clock. The Verto 8600 GT 256MB offers 256 Mbytes of frame buffer memory and a 540-MHz core clock. The Verto 8500 GT 512MB includes 512 Mbytes of buffer memory and a 450-MHz clock.

To learn more about PNY and the new Verto graphics cards, visit www.pny.com.

Send product announcements to developer@computer.org.