

# Manuel Svoboda

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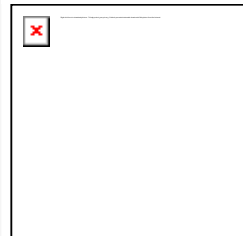
**From:** Embedded News [enews@icc-media.com]  
**Sent:** Mittwoch, 31. März 2010 12:12  
**To:** Manuel Svoboda  
**Subject:** Embedded News & Know-how (March 31, 2010) - Chips, Tools & Boards



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March 31, 2010 – presented by  
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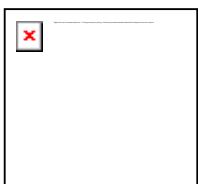
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### [AdvancedMC EtherCAT Slave Interface Connects MicroTCA Systems to Real World I/O](#)

The NAMC-ECAT is an EtherCAT slave interface in AdvancedMC form factor. It connects the two hemispheres of the real-time, high speed field bus EtherCAT and the flexible, scalable and powerful MicroTCA embedded architecture. EtherCAT can be used in a broad range of applications and is completely conformant to the current Ethernet standard.

## CHIPS & COMPONENTS NEWS

- [Digi-Key stocks NXP's energy-efficient lighting solutions](#)
- [austriamicrosystems: battery management data acquisition front-end IC](#)
- [ST: smart pushbutton 'on/off' controller chips](#)



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### [MSC and Actel Present: SmartFusion - Featuring Integrated FPGA](#)

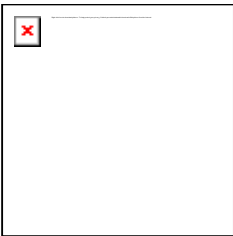
SmartFusion is the only device that integrates an FPGA, hard ARM Cortex-M3-based microcontroller subsystem (MSS) and programmable analog, offering full customization, IP protection and ease-of-use. Based on Actel's flash technology, SmartFusion devices are ideal for hardware and embedded designers who need a true system-on-chip (SoC) solution.

- [Yamaichi: SIM card reader with tray function](#)
- [Rutronik: two and three amp linear regulators from Intersil](#)

- Maxim: 1.7V digital potentiometers for power-sensitive applications
- Cypress: powerline communication solution based on PSoC architecture
- RS broadens STMicroelectronics lines
- IAR supports Actel's SmartFusion FPGAs

## TOOLS & SOFTWARE NEWS

- ITTIA: lightweight relational embedded database software
- Synopsys introduces Design Compiler 2010
- Freescale: AUTOSAR software developed with Green Hills' MULTI IDE



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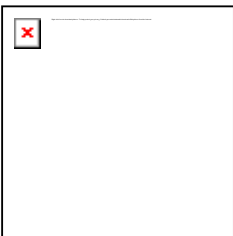
### Intrinsically safe HMI devices from Siemens for hazardous areas

The new embedded SIMATIC HMI Panel PC Ex and HMI Thin Client Ex are completely maintenance-free and can be used directly in the presence of flammable gases, vapors and dust-air mixtures without the need for special measures, for example in the manufacture of gasoline, pharmaceuticals and cement and also for use in shipbuilding.

- NI introduces solution for phase-coherent RF measurements
- GE: data bus analyzer features intuitive, interactive GUI
- MOST150 allows safety critical applications

## BOARDS & MODULES NEWS

- MEN: safety platform for railways and avionics market
- Axiomtek: small form factor Computer-on-Module
- MicroSys: QorIQ based System-on-Module for harsh environments



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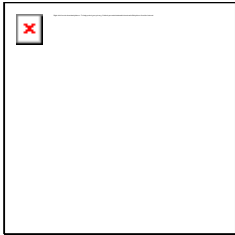
### First ETX Module with New Intel Atom D510 Dual Core Processor

MSC Vertriebs GmbH just has launched its MSC ETE-PV510 module based on the dual core Intel Atom D510 processor with integrated graphics and memory controller. A bootable flash disk eliminates the need of extra storage media. The powerful module is a perfect replacement for existing ETX solutions using Intel's obsolete Pentium M or Celeron M. The well established ETX technology thereby remains attractive even for new designs.

- PEAK-System: CAN interface for PCI/104-Express systems
- Bluetechnix: small SBC features Freescale i.MX51 multimedia processor
- Telit and Eurocomposant sign distribution contract

- Kontron: PICMG 1.3-compliant 2U butterfly backplane
- Curtiss-Wright doubles memory on buffer memory XMC card
- NI: automation controllers offer conformal coating for extreme applications

## KNOW-HOW (White Papers, Webinars & more)



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### AdvancedMC with Quad-Core performance

The Kontron AM5030 AdvancedMC processor module is equipped with the next generation Intel Xeon processor LC5518 which provides outstanding server-class processing power and maximum performance per Watt. This makes the AM5030 an attractive solution for MicroTCA platforms designed for dense server environment. The AM5030 is highly integrated and available in double-width, full-size form factor.

- Wind River webinar on the role multicore software plays on product performance
- HCC-Embedded - storage solutions for embedded applications
- Achieving high level synthesis from MATLAB and Model-based description
- Enabling interoperability in high-performance embedded applications

### Spring Update 2010 - Virtual Conferences

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