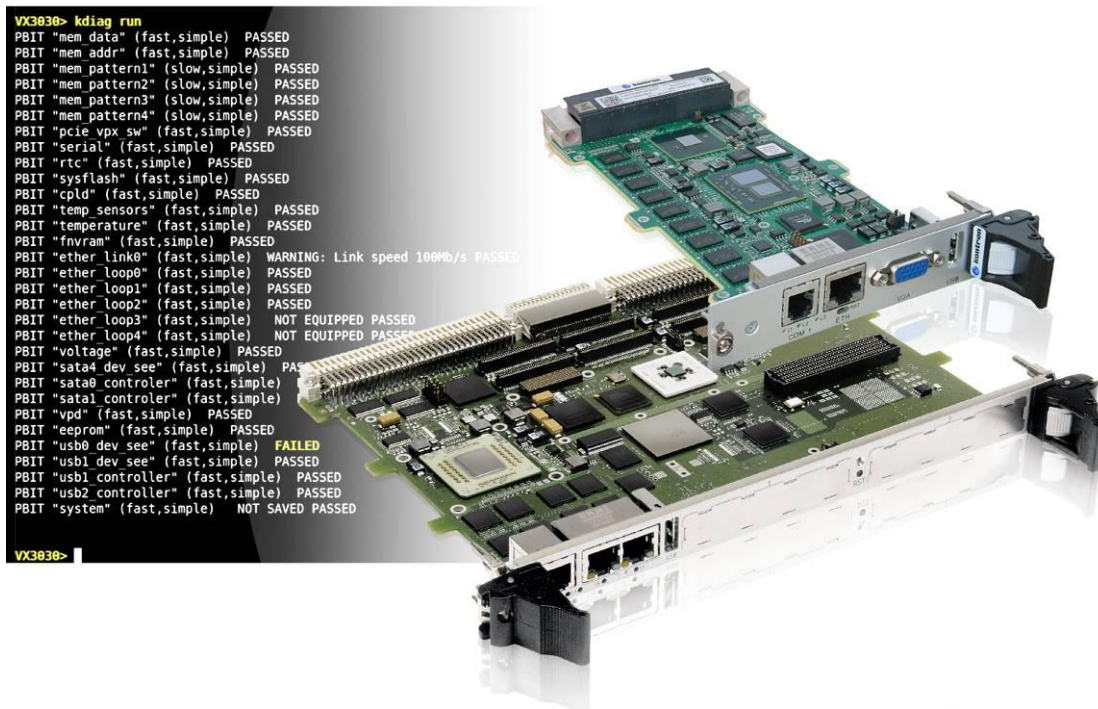


» For Immediate Release «

Intelligent Power-on Built-In Test Solution for Kontron VPX/OpenVPX™ and VME processor boards

Kontron PBIT targets a complete system check with no learning curve



Eching, Germany, January 24, 2012 – Today, Kontron has announced the availability of the intelligent Power-on Built-in Test Solution Kontron PBIT on its [VPX/OpenVPX™](#) and [VME](#) processor boards which serves to improve the reliability, safety and security of mission critical installations. Kontron PBIT provides developers, OEMs, system integrators and users a modular and scalable set of uniform test routines to assess the health status and configuration for both boards and complete systems. With this additional feature all levels of the supply chain benefit from Kontron's Power-on Built-in Test solution PBIT through improved diagnostics, minimized maintenance and reduced debugging efforts. This results in increased availability and improved safety and security for developing, deploying and running embedded and ruggedized systems for the military, aerospace or transportation segments.

The Kontron PBIT is available as an option for all current and future Kontron 3U and 6U VPX/OpenVPX™ and VME processor boards, where it is stored in a non-volatile memory. Although hosted on the CPU board, Kontron PBIT not only checks the on-board components such as controllers, sensors and RAM, but also looks for peripheral components across the backplane, [XMC/PMC](#) slots and those connected via USB and SATA. Especially beneficial to system tests is the innovative learning mode, which enables Kontron PBIT to capture even intricate system

Intelligent Power-on Built-In Test Solution for Kontron VPX/OpenVPX™ and VME processor boards

configurations. Compared to the complex procedure of programming the system configuration, capture mode supports OEMs and system integrators with a drastically simplified and more reliable system identification. On deployed systems Kontron PBIT can check the correct system configuration and even identify transient errors such as faulty cables or connectors by comparing the previously captured configuration with the currently identified configuration. Also, it can be used to minimize the risk of security breaches in fielded computers by preventing the system boot when an unauthorized USB stick, for example, is found during the system configuration check.

Kontron PBIT can be automatically launched after the firmware boot by the BIOS or EFI on x86 CPU boards or Uboot on PowerPC CPU boards, or started interactively from the firmware prompt. Independent of the underlying CPU architecture, Kontron PBIT incorporates a common set of firmware sub-commands, thus simplifying the usage even when different CPU boards are being used. Its modular and scalable structure allows dedicated configuration and customization enabling easy adaption to the application-specific needs. Furthermore, with Kontron PBIT, OEMs can also use the central CPU board as the main test console, thus centralizing system management and consequently further reducing any system maintenance and service work. The test results from the Kontron PBIT solution are stored in an on-board memory, which is also accessible via the OS making remote access to results is possible; a cost-efficient alternative to on-site diagnosis. Furthermore, test results can be accessed via Kontron's Chassis Monitoring Board (CMB) via the system management bus on VPX and VME backplanes. The results can be visualized to the operator via LEDs at the front of the system or via serial line or network (http or SNMP) for remote solutions facilitating a complete management and test solution with minimal effort.

Kontron PBIT is available now as an option on all future and currently available Kontron VPX/OpenVPX™ and VME processor boards such as the Kontron [VX3030](#), [VX3035](#), [VX3230](#), [VX6060](#), [VM6050](#), and [VM6250](#) Kontron PBIT is an integral part of all Kontron [VPX](#) and [VME](#) developer kits, to support system developers and OEMs when developing their individual embedded and ruggedized military, aerospace or transportation applications.

To download the whitepaper about the Kontron intelligent Power-on Built-in Test Solution PBIT, please visit: http://www.kontron.com/PBIT_whitepaper

###

Intelligent Power-on Built-In Test Solution for Kontron VPX/OpenVPX™ and VME processor boards

About Kontron

Kontron is a global leader in embedded computing technology. With more than 30% of its employees in Research and Development, Kontron creates many of the standards that drive the world's embedded computing platforms. Kontron's product longevity, local engineering and support, and value-added services, helps create a sustainable and viable embedded solution for OEMs and system integrators. Kontron works closely with its customers on their embedded application-ready platforms and custom solutions, enabling them to focus on their core competencies. The result is an accelerated time-to-market, reduced total-cost-of-ownership and an improved overall application with leading-edge, highly-reliable embedded technology.

Kontron is listed on the German TecDAX stock exchange under the symbol "KBC". For more information, please visit:

<http://www.kontron.com/>

Digital image (jpg) and text (PDF): <http://www.kontron.com/about-kontron/news-events/intelligent+poweron+builtin+test+solution+for++kontron+vpxopenvpxandtrade+and+vme+processor+boards.5506.html>

Contact Details

EMEA

Norbert Hauser
Kontron
Tel: +49 (8341) 803-0
norbert.hauser@kontron.com

Michael Hennen
SAMS Network
Tel: +49 (2405) 45267-20
michael.hennen@samsnetwork.com

Americas

Richard Pugnier
Kontron
Tel:+1 (858) 623-3006
richard.pugnier@us.kontron.com

Annette Keller
Keller Communications
Tel:+1 (949) 640-4811
annetekeller@sbcglobal.net

APAC

Richard Pugnier
Kontron
Tel:+1 (858) 623-3006
richard.pugnier@us.kontron.com

Michael Hennen
SAMS Network
Tel: +49 (2405) 45267-20
michael.hennen@samsnetwork.com

All rights reserved.

Kontron is a trademark or registered trademark of Kontron AG.

All other brand or product names are trademarks or registered trademarks or copyrights by their respective owners and are recognized.

All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this press release has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies.