PRESS RELEASE

Speedway for Big Data

Increased Speed for SSD Data Exchange

Kithara Software, specialist for PC-based real-time under Windows, has integrated the Storage Module into the »RealTime Suite«, a groundbreaking technology for fast real-time data storage via solid-state drives. Industrial real-time applications in test environments, especially with Big Data specifications, benefit particularly from the increased read and write speeds.

The real-time functions from Kithara have been an integral part for many sophisticated measurement applications for quite a long time. The Storage Module allows SSDs to run with read and write speeds of 1 GByte/s and well above via the NVMe interface. It therefore perfectly complements testing systems that require the capture and processing of large amounts of data in real-time. Furthermore, with UDF, an efficient data system is provided, which also enables the optimal way to implement packet-writing.

"A major part of real-time applications require the fast exchange of large amounts of information between storage mediums, since they often operate in a field that employ high frequencies and data resolutions. For industrial

requirements, the highest possible data rate until now has been severely limited, even with solid-state drives. The Storage Module picks up exactly where previously the storage system has represented the bottleneck within the real-time data communication.", Uwe Jesgarz, managing director of Kithara Software GmbH, explained.

The Storage Module is especially relevant for the field of automotive development, such as for the testing of interactions between several data-based vehicle functions at once. This way, solid-state drives are able to read and write data volumes from multiple data-rich sources, such as high-speed sensors or cameras. This also allows for hardware-in-the-loop processes to create authentic real-time simulation conditions for optimized test results.

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About Kithara Software GmbH

Kithara Software is a specialist for real-time solutions, especially for the Windows® operating systems family. The real-time extension RealTime Suite is a comprehensive system library for hardware-dependent programming, communication, automation and image processing in real-time. The software is an easy-to-use and powerful technical basis for advanced applications in robotics, image processing, measurement and control engineering as well as automation. It is the key element in machine building, for testing rigs and other specialized applications. Kithara Software has representations in the USA as well as China and supports global companies in their innovative projects.

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- Please send a specimen copy.
- Press contact: Martin Ebert
- E-mail: m.ebert@kithara.com
- Tel.: +49(0)30-2789 673-12

Responsible:
Kithara Software GmbH
Uwe Jesgarz

Reader's Contact:
Phone: +49(0)30 2789 673 0
Fax: +49(0)30 2789 673 20
E-Mail: info@kithara.de
Web: www.kithara.de