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PRESS INFORMATION

CAN-FD INTERFACE AND NEW LINUX DRIVER EXTENDS APPLICATION OF FLEXCARD PMC-II

Göppingen, 3 June 2019 – The STAR COOPERATION is offering a broad variety of interface cards for connecting automotive bus systems with test bench computers: For example FlexCard PMC-II with extensions for CAN-FD, CAN-HS, Ethernet and FlexRay for universal use in day-to-day testing.

The FlexCard PMC-II has eight bus interfaces that can be utilized flexibly with plug-in bus driver modules. So far, these were available for CAN-HS, Ethernet and FlexRay, while the card's capabilities are again enhanced by this CAN-FD extension.

Each CAN-FD extension module comes with two CAN-FD transceivers with a maximum data rate of 5 Mbit/s for CAN-FD transceiver. The applicable mode can be set up very easily within the card's driver, in which both the ISO as well as the non-ISO mode are supported due to compatibility reasons.

For all the card's bus interfaces (CAN, FlexRay, Ethernet), a highly precise and synchronised time stamp is generated with a resolution of a microsecond. For example, this enables the user to play the log data of different bus systems generated with this method with chronological synchronism. As before, it is possible to synchronize several FlexCards PMC-II through one trigger inlet. Also, connecting 100BASE-T1 networks works smoothly via an external adapter.

STAR COOPERATION has also developed a new Linux driver for the kernel version 4.15. As a result, you can now also use the FlexCard PMC-II successfully for bus systems CAN-FD, CAN-HS, FlexRay and 100BASE-T1.

The new Linux driver supports DMA and 64-bit host systems. You will benefit from significantly increased performance during data transfer while relieving the processor. In addition, you can synchronize multiple FlexCard PMC-II using a trigger input.



Caption: The interface card FlexCard PMC-II now comes with an extension for CAN-FD.

About the STAR COOPERATION

Since its foundation in 1997, the STAR COOPERATION has been accompanying its customers in numerous projects in after sales, automotive electronics as well as sales and offers consulting and implementation services in technology, logistics and digital business. Companies of different sizes and industries profit from interdisciplinary teams of experts and group-wide synergies. In addition to know-how and many years of experience, the STARS are united by very special values: responsibility, competence and passion.

STAR COOPERATION GmbH is certified according to quality standard ISO 9001:2008.

The Experts for Automotive Electronics' portfolio includes extensive services in workshop, manufacturing as well as development services for test and validation of automotive E/E systems of all current and voltage ranges as well as all automotive bus systems.