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FLEXCONFIG SDK 1.1 QUICK AND EASY INTEGRATION OF BUS DATA INTO YOUR WINDOWS APPLICATION

Göppingen, 24.11.2020 – FlexConfig SDK 1.1 now available

New functions available:

FlexConfig SDK is developed and adapted on an ongoing basis to meet user requirements. Until this point, the bus data could be read and **interpreted as physical values**. As of version 1.1, **physical values** can now also be converted into **raw values for transmission via CAN-HS and CAN-FD**. The software **automatically** calculates the raw values to be sent from the physical values. Raw values can then be sent to the connected interfaces for all supported bus systems.

As a further **plus point**, FlexConfig SDK now offers **PTP support in accordance with the IEEE 802.1AS-2011** standard.

PTP over Ethernet enables the **synchronisation of several measuring interfaces** within a measuring system, thereby ensuring a common time base for the timestamp. The accuracy per PTP software in this respect is a maximum deviation of 20 µs. Using PTP hardware (depending on the FlexDevice used) the accuracy can be reduced to 8ns. Synchronisation via digital inputs is still possible as normal.

Free FlexCard API for FlexDevice users

In the download centre of the STAR website at www.elektronik.star-cooperation.com, the **FlexCard API** will **soon** be made available to users **free-of-charge**. This tool enables **synchronisation via PTP and the readout and writing of used or configured bus systems** by means of raw data. The FlexCard API can be **used** during readout in parallel with a configured restbus simulation or a configured gateway.

Brief description:

Many engineers, computer scientists and technicians have to face the challenge of expanding their test bench or application software to include **access to automotive bus systems**, such as FlexRay or CAN.

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Once the first challenge of integrating the bus data with the help of a suitable interface and appropriate driver has been solved, it is then followed by an interpretation of the received data. Various hurdles also have to be overcome here, too. **Different standards per OEM** and **different database formats** make this even more difficult. To date, it has been necessary to invest a disproportionate amount of time in this.

FlexConfig SDK from STAR ELECTRONICS offers a **comprehensive solution** for this integration. A **simple integration of the .NET library** into a Windows application allows quick and convenient access to a wide variety of bus systems, such as **CAN-HS, CAN-FD or FlexRay**. There is already support for a wide range of common network description formats such as **FIBEX, AUTOSAR (.arxml) and CANdb**. FlexConfig SDK allows new possibilities to be opened up through the **independent interpretation of the database** and the resulting **automatic conversion of the raw data into physical values**.

Users can **expand** their analysis of data and logging applications – test benches, hardware-in-the-loop (HiL) systems, etc. – with **access to automotive bus systems**. With a wide range of supported devices in the FlexDevice and FlexCard family, **cost-effective and perfectly tailored solutions** can be realised for individual use cases.



BU: FlexConfig SDK - FAST AND EASY INTEGRATION OF BUS DATA INTO YOUR WINDOWS APPLICATIONS

About STAR COOPERATION

Networked competence and passion for your success: Since 1997, STAR COOPERATION has been supporting companies of all sizes and sectors in efficiently planning, designing and successfully

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