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## PRESS RELEASE

### FL3X SFP 1000BASE-T1 – available now.

#### Goepfingen, 07.11.2024 – FL3X SFP 1000BASE-T1

STAR ELECTRONICS presents the new FL3X SFP 1000BASE-T1: flexible SFP Transceiver for Automotive Ethernet.

STAR ELECTRONICS GmbH & Co. KG expands its product portfolio with the FL3X SFP 1000BASE-T1, a flexible and powerful SFP transceiver for Automotive Ethernet. The transceiver supports both 100BASE-T1 and 1000BASE-T1, allowing Automotive Ethernet to be seamlessly integrated into existing networks via an SFP slot. This makes the FL3X SFP 1000BASE-T1 an ideal solution for testing, diagnostics, and simulation applications in vehicle development.

The FL3X SFP 1000BASE-T1 enables easy expansion of network switches and the integration of Automotive Ethernet into existing infrastructures. This opens up new possibilities for developers and engineers, especially in testing and diagnostics, by allowing them to respond flexibly and efficiently to various project requirements.

Equipped with a range of hardware features, the FL3X SFP 1000BASE-T1 offers high flexibility and adaptability. The master or slave mode as well as the 100 Mbit/s or 1000 Mbit/s operation mode can be selected via DIP switches. Status LEDs on the SFP port provide important information about the current connection status. With its wide temperature range from -40 °C to +85 °C, the transceiver is suitable for use in extreme conditions, ensuring maximum reliability. Full compatibility with all STAR network products as well as many other SFP cards and devices makes the FL3X SFP 1000BASE-T1 a versatile and adaptable tool. Additionally, the transceiver supports MACSec for secure data transmission.

The FL3X SFP 1000BASE-T1 offers a range of software features and use cases that enable engineers to efficiently integrate Automotive Ethernet into their existing systems. By expanding switches and integrating Automotive Ethernet into existing networks, the use of Ethernet communication in automotive projects is

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greatly simplified. This is particularly valuable in testing environments and for diagnostics, where flexibility and reliability are key.

The FL3X SFP 1000BASE-T1 also impresses with its technical specifications. It is equipped with SFP and SPE ports (Harting T1, Rev. 2) and can operate in a temperature range of -40 °C to +85 °C, making it suitable for both operation and storage in demanding environments. This robustness makes it the perfect solution for use in challenging automotive applications.

The FL3X SFP 1000BASE-T1 is a compact, versatile, and reliable SFP transceiver that enables the integration of Automotive Ethernet into any network infrastructure. Its flexibility, robustness, and wide compatibility make it an essential tool for developers and engineers in the automotive industry.

For more information, visit [www.fl3x-product.com](http://www.fl3x-product.com)



BU: FL3X SFP 1000BASE-T1 – flexible SFP Transceiver for Automotive Ethernet.

## About STAR COOPERATION

Networked expertise and passion to help you succeed: since 1997, STAR COOPERATION has been assisting companies of all sizes from a wide range of industries in planning and developing their projects efficiently and implementing them successfully. Customers benefit from our interdisciplinary expertise and synergies in the areas of CONSULTING, ELECTRONICS, ENGINEERING, IT, LOGISTICS and MEDIA. Our experts have extensive practical experience, helping STAR® to provide innovative ideas and sophisticated solutions – tailored precisely to our customers and their specific project needs. This enables them to make best use of their resources and to improve every day.

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# STAR COOPERATION®

Your Partners in Excellence

STAR COOPERATION is certified according to the management systems DIN EN ISO 9001:2015, ISO 50001:2011, ISO 14001:2015 and ISO 45001:2018.

Pooled expertise in ELECTRONICS: the portfolio of services offered by our experts in vehicle electronics includes a wide range of solutions for workshops, production and development, all for the testing and validation of automotive E/E systems in any voltage and power range and for any bus system.

*We look forward to receiving a sample copy.*

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