

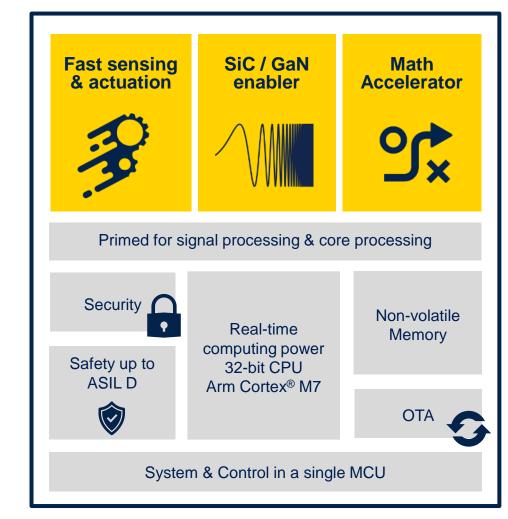


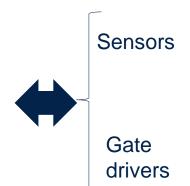
Stellar Studio and plug-in for running artificial intelligence at the edge



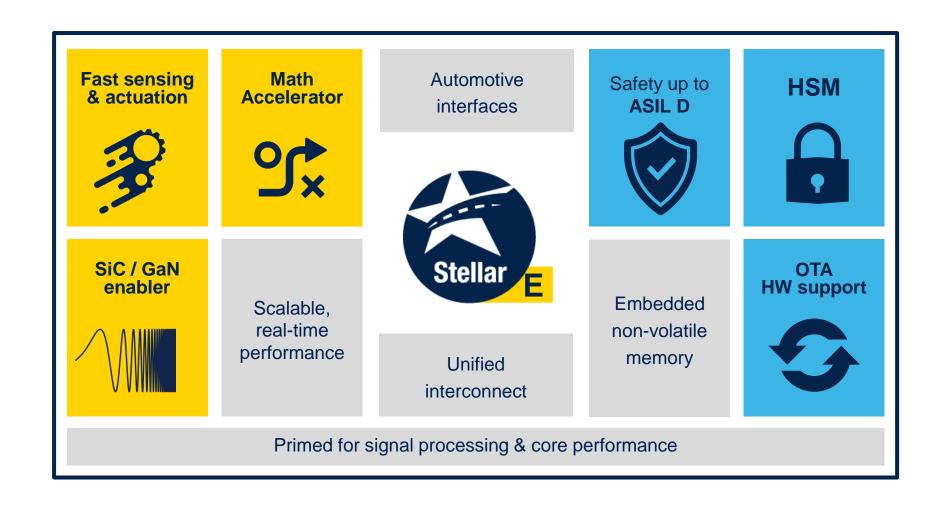


Stellar Electrification MCU





Stellar E series: the all-in-one microcontroller

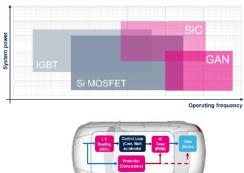




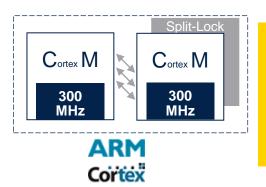
Stellar E series: Innovation with value

Designed for car electrification





Unique scalable performance



ARM Cortex-M
Split-Lock flexibility
ISO 26262 ready







Safe and Secure

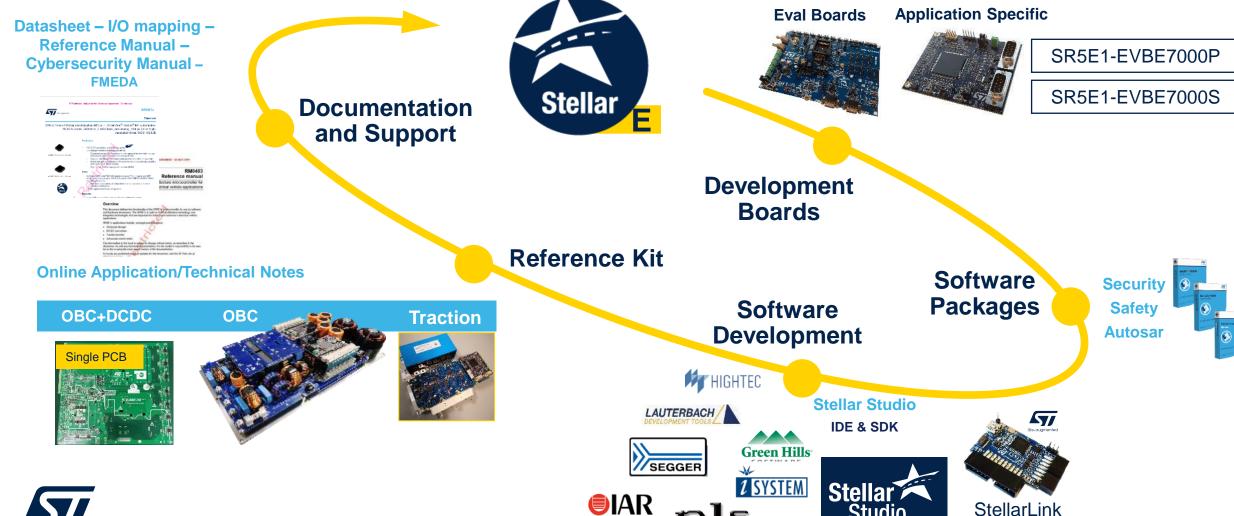
ASIL-D
Low-latency HSM
ISO 21434 ready





Stellar E ecosystem overview

Studio





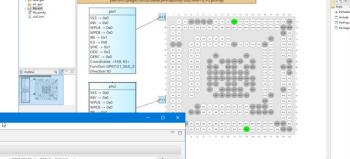
Stellar Studio / Stellar E SDK

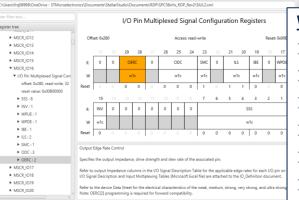
All-in-one and ready to use IDE, SDK and toolchain





Stellar





Wizards and Tools:

- Pin map wizard
- Register description viewer
- Clock tree wizard
- > NOC
- Memory configurator
- Power consumption
- IRQ configurator

Stellar Studio



Scalable and modular solution for every developer's needs

User-friendly IDE build on Eclipse on top of Stellar SDK releases

Automatic code generation using Eclipse Modeling Framework (EMF)

Easy WYSIWYG evaluation & application start-up for developers

Multi-platform support (Windows, Linux, MacOS)







Edge Al plug-in for Stellar E series

Design







Design & pre-train your neural network

Convert





Convert automatically into optimized code library

Analytics included!

Inference





Process & analyze

Run your neural network on STELLAR E MCUs

Get started quickly with Stellar E evaluation boards





Edge Al plug-in for Stellar E series

The edge Al plug-in (STELLAR-STUDIO-Al) for the Stellar Studio IDE designed for Stellar E Electrification MCUs

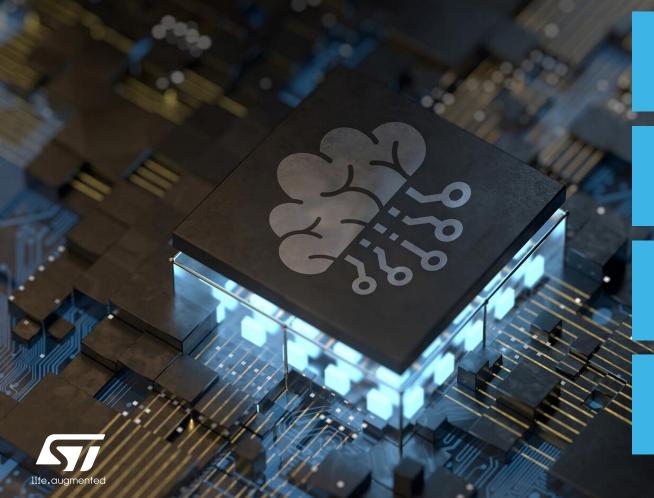


- Automatically generates pre-trained neural networks
- Converts them into libraries to be run on Stellar E MCU
- Integrates widely used deep learning frameworks such as Keras, TensorFlow Lite, and ONNX
- Flexibility to import the generated library into more complex application-specific projects, thanks to a well-defined number of public APIs



Artificial Intelligence plug-in for Stellar E series

The artificial intelligence plug-in (STELLAR-STUDIO-AI) for the Stellar Studio IDE designed for Stellar E Electrification MCUs



Automatically generates pre-trained neural networks

Converts them into libraries to be run on Stellar E MCUs

Integrates widely used deep-learning frameworks including Keras, TensorFlow Lite, and ONNX

Flexibility to import the generated library into more complex application-specific projects, thanks to a well-defined short number of public APIs

Our technology starts with You



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