

## AUTOSAR 微控制器抽象层(MCAL)

- AUTOSAR MCU abstraction layer drivers.
- 4.0/4.2/4.3 versions for QM & ISO26262.
- ISO26262 functional safety documentation included.
- **Free** for evaluation (90-days license)

## S32K 软件开发包(SDK)

- **Free of charge** Automotive Non-AUTOSAR production grade SW.
- Graphical-based configuration with SPICE compliant.
- Integrated with S32 Design Studio and other IDEs.

## 功能安全软件库(safety library)

- Safety element out of context and developed according to ISO26262 ASIL-B.
- **Free** reference software library helps to achieve functional safety in SW level.



## Bootloader引导程序

- Unified bootloader based on UDS and TP protocol.
- High-quality reference SW.
- Efficiency to implement by reusing existing stack.
- **Free of charge**

## M0+/M4F内核自测试(功能安全)

- Library of tests for Arm Cortex M0+/M4 core.
- Provides Diagnostic Coverage up to 90% in runtime.
- Developed according to ISO26262 ASIL-B.
- **Free** for evaluation (90-days license)

## 汽车电机控制算法库(AMMCLib)

- Precompiled software library containing building blocks for wide range of motor control applications.
- Both binary and source code available.
- Production ready SW (SPICE Level 3, CMMI and ISO9001/TS16949)
- Control loop modeling with Matlab/Simulink® models.
- **Free** for evaluation (90-days license)

## ISELED 智能氛围灯驱动

- SW driver for smart LED lighting solution.
- Both SDK and AUTOSAR version.
- Price included in special parts.

## NFC 协议栈

- SW stack compliant with NFC NCI specification.
- Both SDK and AUTOSAR version.
- Price included in special parts.

## 触摸感应软件函数库

- Reference SW library for self-capacitance sensing.
- 1D Capacitive Touch Library
- Single chip solution for automotive TS.
- **Free of charge**

## S32 DS集成开发环境(IDE for Arm®)

- Integrated Development Environment (IDE).
- Integrates S32K SDK .
- 3rd party compilers & debuggers ecosystem support.
- Supports S32K and Power Architecture (MPC) products, unlimited code size.
- **Free of charge**

## FreeMASTER 调试工具

- **Free** debugger for real-time applications.
- Support MCAT (Motor Control Application Tuning Tool).

## 模块化设计工具

- Simulink™ Toolbox for configuring and generating software.
- Support to execute motor control algorithms.
- **Free of charge**

## 合作伙伴



## Runtime Software

### AUTOSAR 微控制器抽象层(MCAL)



- AUTOSAR MCU abstraction layer drivers.
- AUTOSAR 4.0 versions for QM.
- AUTOSAR 4.0 compliant operation system (OS)
- **Free of charge**

### S12Z 内核自测试 (功能安全)



Road Vehicles - Functional Safety

- Library of tests for S12Z core.
- Provides Diagnostic Coverage up to 90% in runtime.
- Developed according to ISO26262 ASIL-B.
- **Free of charge**

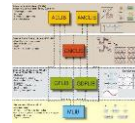
### Bootloader引导程序



- Unified bootloader based on UDS and TP protocol.
- High-quality reference SW.
- Efficiency to implement by reusing existing stack.
- **Free of charge**

## Application Software

### 汽车电机控制算法库(AMMCLib)



- Precompiled software library containing building blocks for wide range of motor control applications.
- Both binary and source code available.
- Production ready SW (SPICE Level 3, CMMI and ISO9001/TS16949)
- Control loop modeling with Matlab/Simulink® models.
- **Free** for evaluation (90-days license)

### 触摸感应软件函数库



- Reference SW library for self-capacitance sensing.
- 1D Capacitive Touch Library
- Single chip solution for automotive TS.
- Passed water, glove, temp and EMI tests.
- **Free of charge**

## Tools

### FreeMASTER调试工具



- Graphical user interface debugger for real-time applications.
- Support MCAT (Motor Control Application Tuning Tool).
- **Free of charge**

### 模块化设计工具



- Simulink™ Toolbox for configuring and generating software.
- Support to execute motor control algorithms.
- **Free of charge**

## 3rd Parties

### 合作伙伴

